



THERMOPHYSICAL PROPERTIES RESEARCH CENTER **ELECTRONIC PROPERTIES INFORMATION CENTER** THERMOPHYSICAL AND ELECTRONIC PROPERTIES INFORMATION ANALYSIS CENTER UNDERGROUND EXCAVATION AND ROCK PROPERTIES INFORMATION CENTER

THERMOPHYSICAL AND ELECTRONIC PROPERTIES OF FOREIGN STAINLESS STEELS

A Comprehensive Survey of the World Literature

P.D. DESAI

CINDAS REPORT 61

November 1981

Prepared by

THERMOPHYSICAL AND ELECTRONIC PROPERTIES INFORMATION ANALYSIS CENTER

> Copy available to DTIC does not permit fully legible reproduction



CENTER FOR INFORMATION AND NUMERICAL DATA ANALYSIS AND SYNTHESIS **PURDUE UNIVERSITY** 

PURDUE INDUSTRIAL RESEARCH PARK 2595 YEAGER ROAD WEST LAFAYETTE, INDIANA 47906

# **DISCLAIMER NOTICE**

THIS DOCUMENT IS BEST QUALITY PRACTICABLE. THE COPY FURNISHED TO DTIC CONTAINED A SIGNIFICANT NUMBER OF PAGES WHICH DO NOT REPRODUCE LEGIBLY.

## THERMOPHYSICAL AND ELECTRONIC PROPERTIES OF FOREIGN STAINLESS STEELS

A Comprehensive Survey of the World Literature

P. D. DESAI

CINDAS REPORT 61

November 1981

Accession For

NTIS GRA&I
DTIC TAB
Unannounced
Justification

By Per Ltv. on Cile
Distribution/
Availability Codes

Avail and/or
Dist
Special



Prepared by

THERMOPHYSICAL AND ELECTRONIC PROPERTIES INFORMATION ANALYSIS CENTER

"This report will be made available through:
TEPIAC/CINDAS/Purdue University
Attn: Wade H. Shafer
2595 Yeager Road
West Lafayette, IN 47906"
Tice: \$40.00

#### **PREFACE**

This State-of-the-Art Report was prepared by the Thermophysical and Electronic Properties Information Analysis Center (TEPIAC), a Department of Defense Information Analysis Center. This Center is operated by the Center for Information and Numerical Data Analysis and Synthesis (CINDAS), Purdue University, West Lafayette, Indiana 47906, under Defense Logistics Agency (DLA) Contract DLA900-79-C-1007. The Government Administrative Manager for TEPIAC is Mr. J.F. Pendergast, Program Manager for Information Analysis Centers, Defense Technical Information Center (DTIC), Cameron Station, Alexandria, Virginia 22314. TEPIAC is under the technical direction of the Army Materials and Mechanics Research Center (AMMRC), Watertown, Massachusetts 02172, with Mr. David W. Seitz as the Contracting Officer's Technical Representative. The Contract was issued by the Defense Electronics Supply Center, Dayton, Ohio, with Ms. Sara M. Williams as the Contracting Officer.

This report presents the most complete list of information and data sources that are known to exist for the thermophysical and electronic properties of foreign stainless steels. These steels are arranged according to the compositions, which make it simpler to compare these with the U.S. steels and to find their equivalent. The data and information on the properties of foreign stainless steels are important not only in its own right, but are also for use in helping to resolve the controversy between various data available on the U.S. equivalent steels or even to fill the data gaps that may exist in the properties for U.S. steels. The bibliography in this report contains approximately 431 citations.

It is possible for the user to make retrospective searches quickly on over 460 different foreign steels which are listed in the Materials Directory. In turn, the user refers to the Technical Coding to tailor each search for retrieval on any given set of parameters, such as property, physical state, subject, and temperature range. Finally the search will yield a selection of citations from the Bibliography. Simple and easy to use instructions are included.

This work is believed to be very useful to DoD and other engineers and scientists working on various research, development, and engineering programs who have a need for information on foreign stainless steels.

The author wishes to acknowledge the individual and collective contributions of our Scientific Documentation Division which have made this publication possible. Additions to the file continue on a routine basis. Updated searches and other services are available on request.

West Lafayette, Indiana October, 1981 C. Y. Ho
Interim Director of CINDAS
Purdue University

#### ABSTRACT

This report presents comprehensive bibliographic information on the thermophysical and electronic (including electrical, magnetic, and optical) properties of 462 different foreign stainless steels. The steels included in the report are from Czechoslovakia, France, Germany, India, Italy, Japan, Poland, Romania, Sweden, The Netherlands, United Kingdom, USSR, and Yugoslavia. The bibliographic citations are indexed in depth. Concise instructions are also given so that the user can quickly make retrospective literature searches for specified foreign stainless steels and properties.

The thermophysical properties covered in this report are: thermal conductivity, thermal diffusivity, specific heat, thermal linear expansion, thermal volumetric expansion, viscosity, emittance, reflectance, and absorptance. The electronic properties covered are absorption coefficient, dielectric constant, energy gap, electrical resistivity, electron emission properties, magnetic hysteresis, magnetic susceptibility, magnetoelectric properties, magnetomechanical properties, photoelectric properties, refractive index, and work function.

### CONTENTS

															Page
PREFACE				•	•		•	•	•	•	•	•	•	•	iii
ABSTRACT								•					•	•	v
THE ORGA	NIZATION OF THE	VOLUME			•		•	•	•	•	•	•	•	•	1
		PART A.	MATE	RIAL	S D	IREC	TOR	7							
	S DIRECTORY ized by Country	of Origin	and	Comp	osi	tion	of	Ste	e1s	)	•	•	•	•	8
I.	British Stainle	ss Steels	•		•								•	•	9
II.	Czechoslovakian	Stainles	s Ste	els	•				•				•	•	10
III.	Dutch Stainless	Stee1s		•	•		•	•					•		10
IV.	French Stainles	s Steels		•			•		•			•	•	•	10
v.	German Stainles	s Steels		•	•				•				•	•	10
VI.	Indian Stainles	s Steels		•	•			•	•	•		•	•	•	13
VII.	Italian Stainle	ss Steels		•	•		•	•	•					•	13
VIII.	Japanese Stainl	ess Steel	s ,		•				•	•	•		•	•	14
IX.	Polish Stainles	s Steels		•				•		•	•		•	•	15
X.	Romanian Stain1	ess Steel	<b>s</b> .	•	•			•	•	•		•		•	15
XI.	Swedish Stainle	ss Steels	•	•	•					•		•			16
XII.	USSR Stainless	Stee1s		•			•		•			•	•	•	16
XIII.	Yugoslavian Sta	inless St	eels	•	•	• •	•	•	•	•	•	•	•	•	20
		PART B	. TE	CHN]	CAL	COD	ING								
	ARAMETERS ed by Material N	umber)		•			•	•	•	•	•	•		•	22
		PART	c.	BIBI	.IOG	RAPH	Y								
	APHY ON THERMOPE T Prefix)		OPERT	ies •	•		•	•	•	•	•	•		•	36
	APHY ON ELECTRON E Prefix)			•	•		•	•		•			•	•	55

#### THE ORGANIZATION OF THE VOLUME

One of the features of the TEPIAC Computerized Information Storage and Retrieval System is its ability to create research literature source books for selected groups of materials. This report presents such a source book for foreign stainless steels. Stainless steels included in this report are those iron alloys containing less than  $\geq 12$  wt.% chromium and less than 2 wt.% carbon. Those iron alloys containing  $\geq 12\%$  chromium with  $\geq 2\%$  carbon are included in its companion volume on nonstainless alloy steels carbon steels and cast irons.

The TEPIAC retrieval system is based on assigning a seven digit material number to each material, a one or two letter property code for each property and an accession number to each relevant research document. These three entities of material, property, and document are connected through a codification scheme which allows easy retrieval of information through the presentation described in this report.

This report is composed of three main parts which are: The Materials Directory, Technical Coding, and Bibliography.

In order to find the bibliographic citation for a material for given properties, the simple steps to be followed are as follows:

Find out the material number from the Materials Directory and the property code from the Search Parameters list. By scanning down the Technical Coding listing, one can find accession numbers assigned to the documents containing the desired codes. Finally, the search can be completed by going to the Bibliography to obtain the complete citation for each of the relevant accession number.

#### MATERIALS DIRECTORY

This directory lists all the stainless steels from thirteen foreign countries. The number of steels from different countries for which thermophysical and/or electronic properties are available are as follows:

Number of Materials
2
9
109
12
8
60

Country	Number of Material
The Netherlands (Dutch)	1
Poland	9
Romania	1
Sweden	5
United Kingdom (British)	51
U.S.S.R.	190
Yugoslavia	5

The materials are listed under each country and within country the materials are arranged alphabetically according to their major components, e.g., Aluminum Steels, Chromium Steels, Nickel Steels, etc. Under these main groups, the materials are further arranged according to their compositions. Most of the materials have internationally accepted official or industrial designations such as GOST (Russian), BS/En (British), JIS, Remanit (German), etc. These designations follow the compositions. Each steel is assigned a unique seven-digit material number in the TEPIAC retrieval system. In addition to the steels with special designations there are a number of experimental steels also included in the materials directory. A material number is assigned to several of these experimental steels with identical composition irrespective of their national origin.

The following books/reports were found useful by CINDAS in the classification and identification of foreign steels:

- 1. Handbook of Soviet Alloy Composition, Metal and Ceramics Information Center, Columbus Ohio, MCIC-HB-05, 1980.
- 2. <u>Properties of En Steels</u>, Woolman, J. and Mottram, R.A. (British Iron and Steel Research Association) Pergaman Press, Vol. 1, 1964, Vol. 2, 1966, and Vol. 3, 1969.
- 3. Stahl-Eisen-Liste, Schmitz, H. (Union of German Metallurgists), Verlag Stahleisen M.B.H., Duesseldorf, West Germany, 1972.
- 4. Handbook of Comparative World Steel Standards, The International Technical Information Institute, Tokyo, Japan, 1974.
- International Metallic Materials Cross Reference, Potts, D.L., Materials Information Services, General Electric Company, Schenectady, New York, 1979.

### TECHNICAL CODING

Bibliographic searches can be made using the following search codes in conjunction with the seven-digit material numbers.

			Code
A.	Pro	perty	
	1.	Thermophysical Properties	
		Absorptance	I
		Emittance	G
		Radiative Properties	R
		Reflectance	H
		Specific Heat	E
		Thermal Conductivity	A
		Thermal Diffusivity	D
		Thermal Linear Expansion	N
		Thermal Volumetric Expansion	0
		Viscosity	F
	2.	Electronic Properties	
		Absorption Coefficient	AS
		Dielectric Constant	DC
		Electron Emission Properties	EP
		Electrical Resistivity	ER
		Magnetic Hysteresis	MH
		Magnetic Susceptibility/Curie Temperature	MS
		Magnetomechanical Properties	MP
		Photoelectronic Properties	PP
		Refractive Index	RI
		Work Function	WF
В.	Phy	sical States	
	Dop	ed	D
	Fib	rous (Whisker)	F
	Fi1	ms (thick or thin)	T
	Liq	uid	L
	So1	id	S
c.	Sub	ject Coverage	
	Dat		D
	•	erimental	E
		eral (Data + Experimental + Theory)	G
	The	ory	T
D.	Tem	perature Ranges	
	Hig	h (Above 1273 K)	H
		(0 to 75 K)	L
	Nor	mal (above 75 to 1273 K)	N

y .

		Code
E.	Languages	
	Czech	c
	English	E
	Dutch	D
	French	F
	German	G
	Italian	I
	Japanese	J
	Polish	P
	Russian	R
	Other	0

In listing of entries according to the search parameters in the section for the technical coding, one will find first the property codes, followed by a seven-digit material number, codes for physical states (D, F, T, L, or S), subject coverage (D, E, G, or T), temperature range (H, L, or N), languages (C, D, E, F, G, I, J, P, R, or O), document accession number (with T or E prefixes), followed by the year of publication.

#### **BIBLIOGRAPHY**

There are 365 references for thermophysical properties (with the prefix T) and 65 references for the electronic properties (with the prefix E) listed numerically. Since this report is for foreign steels, the majority of the references cited here are in foreign languages. However, every attempt is made to give the source of the English translation whenever it is available.

Because of the wide variety of literature sources cited different formats for bibliographic citations are used in the <u>Bibliography</u>. In this connection a number of problems of general character are encountered. CINDAS procedures in coping with these problems are described below:

- 1. Titles reported in the <u>Bibliography</u> are taken either from an abstract or from the original work. In the case of translated titles, discrepancies may exist between various sources. In general, CINDAS makes no special effort to check the accuracy of titles.
- 2. The names of scientific and technical journals are normally abbreviated according to the guidelines of the Chemical Abstracts Service Source Index (CASSI). In cases where a journal name is not applicable, the name of the publisher, symposium, or disseminating agency is entered in place of the journal name, depending upon the reference work.

- 3. Keypunching format limitations in the earlier citations necessitated the adoption of substitute representations for some of the symbols and alphabetic and numeric arrangements. The following are examples of substitute representations used in the <u>Bibliography</u>:
  - a. Brackets [] are shown as // //.
  - b. Parentheses () are shown as / /.
  - c. Apostrophes are shown as #; e.g., Shul'ga is written as Shul#ga.

PART A MATERIALS DIRECTORY

## MATERIALS DIRECTORY

(ORGANIZED BY COUNTRY OF ORIGIN AND COMPOSITION OF STEELS)

### I. BRITISH STAINLESS STEELS

			Material Number
12 Cr + 1 Mn / T12			322-0018
12 Cr + 2 Mn + 2 Ni / Jethete M 153			322-0018
12 Cr + 12 Mi + 2 Ni / Jethete M 155			322-0342
12 Cr + 12 Ni	• • • • • • •		322-1130
12 Cr + 12 Ni / En 58D	• • • • • • •		322-1157
12 Cr + 16 Ni	• • • • • • •		355-0880
12 Cr + 16 Ni	• • • • • • •		355-0929
12 Cr + 10 Ni 12 Cr + 20 Ni			355-0929
12 Cr + 20 Ni 12 Cr + 20 Ni			355-0881
	• • • • • • •		322-0547
12 Cr + 0.8 V / H 46	• • • • • • •		322-0347
13 Cr / En 56B			322-1217
13 Cr + 13 Ni + 10 Co / G 18B			322-0248
13 Cr + 25 Ni + 3 W / G 17			355-0192
14 Cr + 1 Mn + 1 Ni / En 56	• • • • • • •		322-0942
14 Cr + 0.4 Ni / F H	• • • • • • •		322-0093
14 Cr + 18 Ni + 4 Mo / Rex 78	• • • • • • •		355-0191
15 Cr + 27 Ni + 3 W / Era A T V			355-0117
17 Cr / FI 17			322-0709
17 Cr + 5 Ni + 2 Mo / F V 520			322-0984
17 Cr + 9 Ni			322-1197
17 Cr + 9 Ni			322-1199
17 Cr + 11 Ni			322-1195
17 Cr + 20 Ni			355-0882
17 Cr + 20 Ni			355-0931
17 Cr + 37 Ni + 2 Si / Macloy G			355-0204
•			
18 Cr + 8 Ni / En 58A	• • • • • • •		322-1156
18 Cr + 9 Ni / Staybrite	• • • • • • •		322-0112
18 Cr + 10 Ni / Staybrite F D P	• • • • • • •		322-1344
18 Cr + 10 Ni			322-1193
18 Cr + 10 Ni + 2 Mn / Staybrite E M S			322-1345
18 Cr + 12 Ni			322-1137
18 Cr + 12 Ni			322-1188
18 Cr + 14 Ni			322-1196
18 Cr + 16 Ni			322-1138
18 Cr + 16 Ni			322-1189
18 Cr + 37 Ni / Nimonic P E 7			355-0418
19 Cr + 8 Ni / En 58			322-0943
19 Cr + 8 N1 / En 58 19 Cr + 11 Ni	• • • • • • • •		322-0943
		• • • • •	
19 Cr + 14 Ni / R 20	• • • • • • •	• • • • •	322-0213
20 Cr + 2 Ni / H 29			322-0149
20 Cr + 10 Ni / En 58B			322-0715
20 Cr + 12 Ni / En 58C			322-0714
	· · · · · · · · · · · · · · · · · · ·	· · · · · ·	
23 Cr + 11 Ni			322-1194

## I. BRITISH STAINLESS STEELS (continued)

																		Material Number
24 24 24	Cr + Cr +	5 Ni + 3 Mo / H 48 12 Ni 12 Ni 20 Ni 20 Ni	•	•	•	•	•		•	•	•	•	•	•	•	•	•	322-0162 322-1139 322-1190 322-1141 322-1192
_		16 Ni 16 Ni	•	•	•	•	•		•	•								322-1140 322-1191
		II. CZECHOSLOVAKI	AN	S	TA	IN	ILE	ess	S	TE.	EL	S						
		10 Ni / 17242 10 Ni / 17246	•	•	•	•	•											322-1302 322-1303
		III. DUTCH ST	'AI	NL	ES	S	ST	E	ELS									
26	Cr		•		•		•	•	•	•		•	•	•	•	•	•	322-0675
		IV. FRENCH ST	ΆΙ	NL	ES	S	ST	Œ	ELS									
15	Cr +	35 Ni / Alloy 35 Ni - 15 Cr	•				•									•	•	355-0227
17	Cr /	Z 8 C 17	•		•	•		•	•	•	•	•	•	•	•	•	•	322-1417
18	Cr +	8 Ni 9 Ni / 18 - 8 10 Ni / NS 22S	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	322-1147 322-0001 322-0724
19	Cr +	22 Ni + 3 Mo / Durimet T		•						•			•					355-0228
20	Cr +	20 Co + 20 Ni / Multimet														•		322-0094
25	Cr /	Dilver O																322-0679
28	Cr +	10 Ni	•	•	•	•	•		•	•	•	•	•	•	•	•	•	322-0344
		V. GERMAN ST	'AI	NL	ES	S	ST	E	ßLS									
12 12	Cr +	0.7 Mn / X 18 Cr Mo Ni V Nb 12 1 Mo / X 20 Cr Mo V 12 1 0.2 Ni 12 Ni + 2 W							• •									322-1591 322-0796 322-0077 322-0535
	Cr Cr +	- 1 A1	•	•	•	•	•			•	•	•	•	•	•	•	•	322-0362 322-0771

### V. GERMAN STAINLESS STEELS (continued)

					Material Number
13 Cr + 0.6 C / M C C					322-0495
13 Cr + 2 Co					322-0088
13 Cr + 0.5 Mn			• • • •	• • •	
·				• • •	322-0086
13 Cr + 1 Mn		• • • •		• • •	322-0807
13 Cr + 1 Mn / X 40 Cr 13				• • •	322-0931
13 Cr + 1 Mo / Remanit					322-0265
13 Cr + 12 Ni + 3 W					322-0080
13 Cr + 12 Ni + 10 W					322-0087
13 Cr + 13 Ni + 2 Si					322-0761
13 Cr + 13 Ni + 2 Si					355-0511
14 Cr					322-0096
14 Cr + 0.7 Ni				• • •	322-0091
14 C1	• • • •				322 0091
15 Cr					322-0401
15 Cr + 7 Ni + 2 Mo					322-0765
16 Cr + 13 Ni + 11 Co					322-0781
16 Cr + 13 Ni / X 8 Cr Ni Mo V Nb 16 13					322-0799
16 Cr + 13 Ni / X 8 Cr Ni Nb 16 13					322-0797
16 Cr + 13 Ni					322-0778
16 Cr + 13 Ni + 2 Mn / X 8 Cr Ni 16 13					322-1399
16 Cr + 16 Ni + 2 Mo / X 8 Cr Ni Mo Nb					322-0726
16 Cr + 16 Ni + 3 W / X 6 Cr Ni W Nb 16		• • • •			322-0993
16 Cr + 18 Ni / X 2 Ni Cr 18 16 (Remani					355-1306
TO CL + 10 N1 / A 2 N1 CL 10 10 (Remail)	L 4321/				222-1200
16 C- + 24 N: + 2 T:					255 .0516
16 Cr + 24 Ni + 2 Ti					355-0516
16 Cr + 36 Ni	• • • •				355-0513
16 Cr + 36 Ni 16 Cr + 36 Ni + 2 Si / X 12 Ni Cr Si 36	16 (Ther	max 4864			355-0513 355-0902
16 Cr + 36 Ni 16 Cr + 36 Ni + 2 Si / X 12 Ni Cr Si 36 17 Cr	16 (Ther	max 4864	· · · · · · · · · · · · · · · · · · ·		355-0513 355-0902 322-0402
16 Cr + 36 Ni 16 Cr + 36 Ni + 2 Si / X 12 Ni Cr Si 36 17 Cr 17 Cr + 0.7 Mn	16 (Ther	max 4864			355-0513 355-0902 322-0402 322-0763
16 Cr + 36 Ni 16 Cr + 36 Ni + 2 Si / X 12 Ni Cr Si 36 17 Cr 17 Cr + 0.7 Mn 17 Cr + 7 Ni + 1 A1			· · · · · · · · · · · · · · · · · · ·		355-0513 355-0902 322-0402 322-0763 322-0766
16 Cr + 36 Ni 16 Cr + 36 Ni + 2 Si / X 12 Ni Cr Si 36 17 Cr 17 Cr + 0.7 Mn 17 Cr + 7 Ni + 1 A1 17 Cr + 8 Ni / X 12 Cr Ni 17 7 (Remanit	4310)	max 4864			355-0513 355-0902 322-0402 322-0763 322-0766 322-1364
16 Cr + 36 Ni 16 Cr + 36 Ni + 2 Si / X 12 Ni Cr Si 36 17 Cr 17 Cr + 0.7 Mn 17 Cr + 7 Ni + 1 Al 17 Cr + 8 Ni / X 12 Cr Ni 17 7 (Remanit 17 Cr + 9 Mn / X 3 Cr Mn Ni 18 9 (Reman	4310)				355-0513 355-0902 322-0402 322-0763 322-0766 322-1364 322-1365
16 Cr + 36 Ni 16 Cr + 36 Ni + 2 Si / X 12 Ni Cr Si 36 17 Cr 17 Cr + 0.7 Mn 17 Cr + 7 Ni + 1 Al 17 Cr + 8 Ni / X 12 Cr Ni 17 7 (Remanit 17 Cr + 9 Mn / X 3 Cr Mn Ni 18 9 (Reman 17 Cr + 11 Ni + 2 Mo	4310)				355-0513 355-0902 322-0402 322-0763 322-0766 322-1364 322-1365 322-0782
16 Cr + 36 Ni 16 Cr + 36 Ni + 2 Si / X 12 Ni Cr Si 36 17 Cr 17 Cr + 0.7 Mn 17 Cr + 7 Ni + 1 Al 17 Cr + 8 Ni / X 12 Cr Ni 17 7 (Remanit 17 Cr + 9 Mn / X 3 Cr Mn Ni 18 9 (Reman 17 Cr + 11 Ni + 2 Mo 17 Cr + 12 Ni + 2 Mn / V2 A	4310)				355-0513 355-0902 322-0402 322-0763 322-0766 322-1364 322-1365
16 Cr + 36 Ni 16 Cr + 36 Ni + 2 Si / X 12 Ni Cr Si 36 17 Cr 17 Cr + 0.7 Mn 17 Cr + 7 Ni + 1 Al 17 Cr + 8 Ni / X 12 Cr Ni 17 7 (Remanit 17 Cr + 9 Mn / X 3 Cr Mn Ni 18 9 (Reman 17 Cr + 11 Ni + 2 Mo	4310)				355-0513 355-0902 322-0402 322-0763 322-0766 322-1364 322-1365 322-0782
16 Cr + 36 Ni 16 Cr + 36 Ni + 2 Si / X 12 Ni Cr Si 36 17 Cr 17 Cr + 0.7 Mn 17 Cr + 7 Ni + 1 Al 17 Cr + 8 Ni / X 12 Cr Ni 17 7 (Remanit 17 Cr + 9 Mn / X 3 Cr Mn Ni 18 9 (Reman 17 Cr + 11 Ni + 2 Mo 17 Cr + 12 Ni + 2 Mn / V2 A	4310)				355-0513 355-0902 322-0402 322-0763 322-0766 322-1364 322-1365 322-0782 322-0786
16 Cr + 36 Ni 16 Cr + 36 Ni + 2 Si / X 12 Ni Cr Si 36 17 Cr 17 Cr + 0.7 Mn 17 Cr + 7 Ni + 1 Al 17 Cr + 8 Ni / X 12 Cr Ni 17 7 (Remanit 17 Cr + 9 Mn / X 3 Cr Mn Ni 18 9 (Reman 17 Cr + 11 Ni + 2 Mo 17 Cr + 12 Ni + 2 Mn / V2 A 17 Cr + 13 Ni + 1 Mn	4310) . it 4373)				355-0513 355-0902 322-0402 322-0763 322-0766 322-1364 322-1365 322-0782 322-0786 322-0786
16 Cr + 36 Ni 16 Cr + 36 Ni + 2 Si / X 12 Ni Cr Si 36 17 Cr 17 Cr + 0.7 Mn 17 Cr + 7 Ni + 1 A1 17 Cr + 8 Ni / X 12 Cr Ni 17 7 (Remanit 17 Cr + 9 Mn / X 3 Cr Mn Ni 18 9 (Reman 17 Cr + 11 Ni + 2 Mo 17 Cr + 12 Ni + 2 Mn / V2 A 17 Cr + 13 Ni + 1 Mn 17 Cr + 16 Ni + 2 Mo / A T S 13 17 Cr + 17 Ni + 2 Mo / X 8 Cr Ni Mo B Ni	4310) . it 4373)				355-0513 355-0902 322-0402 322-0763 322-0766 322-1364 322-1365 322-0782 322-0786 322-0784 322-0779 322-1588
16 Cr + 36 Ni 16 Cr + 36 Ni + 2 Si / X 12 Ni Cr Si 36 17 Cr 17 Cr + 0.7 Mn 17 Cr + 7 Ni + 1 A1 17 Cr + 8 Ni / X 12 Cr Ni 17 7 (Remanit 17 Cr + 9 Mn / X 3 Cr Mn Ni 18 9 (Reman 17 Cr + 11 Ni + 2 Mo 17 Cr + 12 Ni + 2 Mn / V2 A 17 Cr + 13 Ni + 1 Mn 17 Cr + 16 Ni + 2 Mo / A T S 13	4310) . it 4373) b 16 16 Nb 20 18		4505)		355-0513 355-0902 322-0402 322-0763 322-0766 322-1364 322-1365 322-0782 322-0786 322-0784 322-0779
16 Cr + 36 Ni 16 Cr + 36 Ni + 2 Si / X 12 Ni Cr Si 36 17 Cr 17 Cr + 0.7 Mn 17 Cr + 7 Ni + 1 Al 17 Cr + 8 Ni / X 12 Cr Ni 17 7 (Remanit 17 Cr + 9 Mn / X 3 Cr Mn Ni 18 9 (Remanit 17 Cr + 11 Ni + 2 Mo 17 Cr + 12 Ni + 2 Mn / V2 A 17 Cr + 13 Ni + 1 Mn 17 Cr + 16 Ni + 2 Mo / A T S 13 17 Cr + 17 Ni + 2 Mo / X 8 Cr Ni Mo B Ni 17 Cr + 21 Ni + 2 Mo / X 5 Cr Ni Mo Cu Si 17 Cr + 21 Ni + 2 Mo / X 5 Cr Ni Mo Cu Si 17 Cr + 0.5 Si	4310) . it 4373) b 16 16 Nb 20 18		4505)		355-0513 355-0902 322-0402 322-0763 322-0766 322-1364 322-1365 322-0782 322-0786 322-0784 322-0779 322-1588 355-1307 322-0762
16 Cr + 36 Ni 16 Cr + 36 Ni + 2 Si / X 12 Ni Cr Si 36 17 Cr 17 Cr + 0.7 Mn 17 Cr + 7 Ni + 1 A1 17 Cr + 8 Ni / X 12 Cr Ni 17 7 (Remanit 17 Cr + 9 Mn / X 3 Cr Mn Ni 18 9 (Remanit 17 Cr + 11 Ni + 2 Mo 17 Cr + 12 Ni + 2 Mn / V2 A 17 Cr + 13 Ni + 1 Mn 17 Cr + 16 Ni + 2 Mo / A T S 13 17 Cr + 17 Ni + 2 Mo / X 8 Cr Ni Mo B Ni 17 Cr + 21 Ni + 2 Mo / X 5 Cr Ni Mo Cu Si 17 Cr + 0.5 Si 18 Cr + 1 Al	4310) . it 4373) b 16 16 Nb 20 18		4505)		355-0513 355-0902 322-0402 322-0763 322-0766 322-1364 322-1365 322-0782 322-0786 322-0784 322-0779 322-1588 355-1307 322-0762 322-0772
16 Cr + 36 Ni 16 Cr + 36 Ni + 2 Si / X 12 Ni Cr Si 36 17 Cr 17 Cr + 0.7 Mn 17 Cr + 7 Ni + 1 A1 17 Cr + 8 Ni / X 12 Cr Ni 17 7 (Remanit 17 Cr + 9 Mn / X 3 Cr Mn Ni 18 9 (Remanit 17 Cr + 11 Ni + 2 Mo 17 Cr + 12 Ni + 2 Mn / V2 A 17 Cr + 13 Ni + 1 Mn 17 Cr + 16 Ni + 2 Mo / A T S 13 17 Cr + 17 Ni + 2 Mo / X 8 Cr Ni Mo B Ni 17 Cr + 21 Ni + 2 Mo / X 5 Cr Ni Mo Cu Si 18 Cr + 1 A1 18 Cr + 6 Ni + 4 Mn	4310) . it 4373) b 16 16 Nb 20 18		4505)		355-0513 355-0902 322-0402 322-0763 322-0766 322-1364 322-1365 322-0782 322-0786 322-0784 322-0779 322-1588 355-1307 322-0762 322-0762 322-0768
16 Cr + 36 Ni 16 Cr + 36 Ni + 2 Si / X 12 Ni Cr Si 36 17 Cr 17 Cr + 0.7 Mn 17 Cr + 7 Ni + 1 A1 17 Cr + 8 Ni / X 12 Cr Ni 17 7 (Remanit 17 Cr + 9 Mn / X 3 Cr Mn Ni 18 9 (Remanit 17 Cr + 11 Ni + 2 Mo 17 Cr + 12 Ni + 2 Mn / V2 A 17 Cr + 13 Ni + 1 Mn 17 Cr + 16 Ni + 2 Mo / A T S 13 17 Cr + 17 Ni + 2 Mo / X 8 Cr Ni Mo B Ni 17 Cr + 21 Ni + 2 Mo / X 5 Cr Ni Mo Cu Si 18 Cr + 1 A1 18 Cr + 6 Ni + 4 Mn 18 Cr + 8 Ni / X 10 Cr Ni 18 8	4310) . it 4373) b 16 16 Nb 20 18	(Remanit	4505)		355-0513 355-0902 322-0402 322-0763 322-0766 322-1364 322-0782 322-0786 322-0784 322-0779 322-1588 355-1307 322-0762 322-0762 322-0768 322-0768 322-0768
16 Cr + 36 Ni 16 Cr + 36 Ni + 2 Si / X 12 Ni Cr Si 36 17 Cr 17 Cr + 0.7 Mn 17 Cr + 7 Ni + 1 A1 17 Cr + 8 Ni / X 12 Cr Ni 17 7 (Remanit 17 Cr + 9 Mn / X 3 Cr Mn Ni 18 9 (Remanit 17 Cr + 11 Ni + 2 Mo 17 Cr + 12 Ni + 2 Mn / V2 A 17 Cr + 13 Ni + 1 Mn 17 Cr + 16 Ni + 2 Mo / A T S 13 17 Cr + 17 Ni + 2 Mo / X 8 Cr Ni Mo B Ni 17 Cr + 21 Ni + 2 Mo / X 5 Cr Ni Mo Cu Si 18 Cr + 1 A1 18 Cr + 6 Ni + 4 Mn 18 Cr + 8 Ni / X 10 Cr Ni 18 8 18 Cr + 8 Ni / A T S	4310) . it 4373) b 16 16 Nb 20 18	(Remanit	4505)		355-0513 355-0902 322-0402 322-0763 322-0766 322-1364 322-0782 322-0786 322-0784 322-0779 322-1588 355-1307 322-0762 322-0762 322-0768 322-0768 322-0120 322-0888
16 Cr + 36 Ni 16 Cr + 36 Ni + 2 Si / X 12 Ni Cr Si 36 17 Cr 17 Cr + 0.7 Mn 17 Cr + 7 Ni + 1 A1 17 Cr + 8 Ni / X 12 Cr Ni 17 7 (Remanit 17 Cr + 9 Mn / X 3 Cr Mn Ni 18 9 (Remanit 17 Cr + 11 Ni + 2 Mo 17 Cr + 12 Ni + 2 Mn / V2 A 17 Cr + 13 Ni + 1 Mn 17 Cr + 16 Ni + 2 Mo / A T S 13 17 Cr + 17 Ni + 2 Mo / X 8 Cr Ni Mo B Ni 17 Cr + 21 Ni + 2 Mo / X 5 Cr Ni Mo Cu Si 18 Cr + 1 A1 18 Cr + 6 Ni + 4 Mn 18 Cr + 8 Ni / X 10 Cr Ni 18 8 18 Cr + 8 Ni / A T S 18 Cr + 8 Ni / A T S	4310) . it 4373) b 16 16 Nb 20 18	(Remanit	4505)		355-0513 355-0902 322-0402 322-0763 322-0766 322-1364 322-0782 322-0786 322-0784 322-0779 322-1588 355-1307 322-0762 322-0762 322-0768 322-0768 322-0768
16 Cr + 36 Ni 16 Cr + 36 Ni + 2 Si / X 12 Ni Cr Si 36 17 Cr 17 Cr + 0.7 Mn 17 Cr + 7 Ni + 1 A1 17 Cr + 8 Ni / X 12 Cr Ni 17 7 (Remanit 17 Cr + 9 Mn / X 3 Cr Mn Ni 18 9 (Remanit 17 Cr + 11 Ni + 2 Mo 17 Cr + 12 Ni + 2 Mn / V2 A 17 Cr + 13 Ni + 1 Mn 17 Cr + 16 Ni + 2 Mo / A T S 13 17 Cr + 17 Ni + 2 Mo / X 8 Cr Ni Mo B Ni 17 Cr + 21 Ni + 2 Mo / X 5 Cr Ni Mo Cu Si 18 Cr + 1 A1 18 Cr + 6 Ni + 4 Mn 18 Cr + 8 Ni / A T S 18 Cr + 8 Ni / A T S 18 Cr + 8 Ni + 1 Mn 18 Cr + 8 Ni + 1 Mn 18 Cr + 8 Ni + 1 Mn 18 Cr + 8 Ni + 2 Mn / 18 - 8	4310) . it 4373) b 16 16 Nb 20 18	(Remanit	4505)		355-0513 355-0902 322-0402 322-0763 322-0766 322-1364 322-0782 322-0786 322-0784 322-0779 322-1588 355-1307 322-0762 322-0762 322-0768 322-0768 322-0120 322-0888
16 Cr + 36 Ni 16 Cr + 36 Ni + 2 Si / X 12 Ni Cr Si 36 17 Cr 17 Cr + 0.7 Mn 17 Cr + 7 Ni + 1 A1 17 Cr + 8 Ni / X 12 Cr Ni 17 7 (Remanit 17 Cr + 9 Mn / X 3 Cr Mn Ni 18 9 (Remanit 17 Cr + 11 Ni + 2 Mo 17 Cr + 12 Ni + 2 Mn / V2 A 17 Cr + 13 Ni + 1 Mn 17 Cr + 16 Ni + 2 Mo / A T S 13 17 Cr + 17 Ni + 2 Mo / X 8 Cr Ni Mo B Ni 17 Cr + 21 Ni + 2 Mo / X 5 Cr Ni Mo Cu Si 18 Cr + 1 A1 18 Cr + 6 Ni + 4 Mn 18 Cr + 8 Ni / X 10 Cr Ni 18 8 18 Cr + 8 Ni / A T S 18 Cr + 8 Ni / A T S	4310) . it 4373) b 16 16 Nb 20 18	(Remanit	4505)		355-0513 355-0902 322-0402 322-0763 322-0766 322-1364 322-0782 322-0786 322-0784 322-0779 322-1588 355-1307 322-0762 322-0762 322-0768 322-0768 322-0120 322-0888 322-0767
16 Cr + 36 Ni 16 Cr + 36 Ni + 2 Si / X 12 Ni Cr Si 36 17 Cr 17 Cr + 0.7 Mn 17 Cr + 7 Ni + 1 A1 17 Cr + 8 Ni / X 12 Cr Ni 17 7 (Remanit 17 Cr + 9 Mn / X 3 Cr Mn Ni 18 9 (Remanit 17 Cr + 11 Ni + 2 Mo 17 Cr + 12 Ni + 2 Mn / V2 A 17 Cr + 13 Ni + 1 Mn 17 Cr + 16 Ni + 2 Mo / A T S 13 17 Cr + 17 Ni + 2 Mo / X 8 Cr Ni Mo B Ni 17 Cr + 21 Ni + 2 Mo / X 5 Cr Ni Mo Cu Si 18 Cr + 1 A1 18 Cr + 6 Ni + 4 Mn 18 Cr + 8 Ni / A T S 18 Cr + 8 Ni / A T S 18 Cr + 8 Ni + 1 Mn 18 Cr + 8 Ni + 1 Mn 18 Cr + 8 Ni + 1 Mn 18 Cr + 8 Ni + 2 Mn / 18 - 8	4310) . it 4373) b 16 16 Nb 20 18	(Remanit	4505)		355-0513 355-0902 322-0402 322-0763 322-0766 322-1364 322-0782 322-0782 322-0784 322-0779 322-1588 355-1307 322-0762 322-0762 322-0768 322-0768 322-0120 322-0888 322-0767 322-0767
16 Cr + 36 Ni 16 Cr + 36 Ni + 2 Si / X 12 Ni Cr Si 36  17 Cr 17 Cr + 0.7 Mn 17 Cr + 7 Ni + 1 A1 17 Cr + 8 Ni / X 12 Cr Ni 17 7 (Remanit 17 Cr + 9 Mn / X 3 Cr Mn Ni 18 9 (Remanit 17 Cr + 11 Ni + 2 Mo 17 Cr + 12 Ni + 2 Mn / V2 A 17 Cr + 13 Ni + 1 Mn 17 Cr + 16 Ni + 2 Mo / A T S 13 17 Cr + 17 Ni + 2 Mo / X 8 Cr Ni Mo B Ni 17 Cr + 21 Ni + 2 Mo / X 8 Cr Ni Mo Cu 17 Cr + 0.5 Si  18 Cr + 1 A1 18 Cr + 6 Ni + 4 Mn 18 Cr + 8 Ni / X 10 Cr Ni 18 8 18 Cr + 8 Ni / A T S 18 Cr + 8 Ni / A T S 18 Cr + 8 Ni + 1 Mn 18 Cr + 8 Ni + 2 Mn / 18 - 8 18 Cr + 8 Ni + 6 Mn / X 16 Cr Ni Mn 18 18 Cr + 9 Ni + 0.5 Mn	4310) . it 4373) b 16 16 Nb 20 18	(Remanit	4505)		355-0513 355-0902 322-0402 322-0763 322-0766 322-1364 322-0782 322-0786 322-0779 322-0779 322-1588 355-1307 322-0762 322-0762 322-0762 322-0768 322-0768 322-0767 322-0888 322-0767 322-0001 322-1152
16 Cr + 36 Ni 16 Cr + 36 Ni + 2 Si / X 12 Ni Cr Si 36  17 Cr 17 Cr + 0.7 Mn 17 Cr + 7 Ni + 1 A1 17 Cr + 8 Ni / X 12 Cr Ni 17 7 (Remanit 17 Cr + 9 Mn / X 3 Cr Mn Ni 18 9 (Remanit 17 Cr + 11 Ni + 2 Mo 17 Cr + 12 Ni + 2 Mn / V2 A 17 Cr + 13 Ni + 1 Mn 17 Cr + 16 Ni + 2 Mo / A T S 13 17 Cr + 17 Ni + 2 Mo / X 8 Cr Ni Mo B Ni 17 Cr + 21 Ni + 2 Mo / X 5 Cr Ni Mo Cu 17 Cr + 0.5 Si  18 Cr + 1 A1 18 Cr + 6 Ni + 4 Mn 18 Cr + 8 Ni / X 10 Cr Ni 18 8 18 Cr + 8 Ni / A T S 18 Cr + 8 Ni / A T S 18 Cr + 8 Ni + 1 Mn 18 Cr + 8 Ni + 2 Mn / 18 - 8 18 Cr + 8 Ni + 2 Mn / 18 - 8 18 Cr + 8 Ni + 2 Mn / X 16 Cr Ni Mn 18	4310) . it 4373) b 16 16 Nb 20 18	(Remanit	4505)		355-0513 355-0902 322-0402 322-0763 322-0766 322-1364 322-0782 322-0786 322-0784 322-0779 322-1588 355-1307 322-0762 322-0762 322-0772 322-0768 322-0767 322-0767 322-0120 322-0888 322-0767 322-0101 322-1152 322-0110 322-1362

#### V. GERMAN STAINLESS STEELS (continued)

	Material
	Number
18 Cr + 10 Ni / Remanit 1895	322-0727
18 Cr + 10 Ni + 2 Mn / X 10 Cr Ni Nb 18 9 (Remanit 4550)	322-1370
18 Cr + 10 Ni + 2 Mn / X 10 Cr Ni Ti 18 9 (Remanit 4541)	322-0371
18 Cr + 10 Ni + 2 Mn / X 12 CR Ni Ti 18 9	322-1586
18 Cr + 11 Ni	322-0775
18 Cr + 11 Ni + 2 Mn / X 2 Cr Ni N 18 11 (Amagnit 3945)	322-1358
18 Cr + 11 Ni + 2 Mn / X 6 Cr Ni 18 11	322-1398
18 Cr + 11 Ni + 2 Mo	322-0769
18 Cr + 12 Ni + 2 Mn / X 5 Ni Mo 18 10 (Remanit 4401)	322-1366
18 Cr + 12 Ni + 2 Mo / X 10 Cr Ni Mo Ti 18 10 (Remanit 4571)	322-0898
18 Cr + 13 Ni + 2 Mn / X 10 Cr Ni Mo Nb 18 10 (Remanit 4580)	322-1372
18 Cr + 13 Ni + 2 Mn / X 10 Cr Ni Mo Ti 18 12 (Remanit 4573)	322-1372
18 Cr + 13 Ni + 2 Mn / X 2 Cr Ni Mo 18 10 (Remanit 4404)	322-1367
18 Cr + 13 Ni + 3 Mo / X 5 Cr Ni Mo 18 12 (Remanit 4436)	322-1368
18 Cr + 14 Ni + 3 Mo / X 2 Cr Ni Mo 18 12	322-1622
18 Cr + 14 Ni + 3 Mo / X 4 Cr Ni Mo N 18 14 (Amagnit 3952)	322-1022
18 Cr + 16 Ni + 4 Mo / X 2 Cr Ni Mo 18 6 (Remanit 4438)	322-1359
10 Cr + 10 Nr + 4 Mo / A 2 Cr Nr Mo 10 0 (Remaill 4436)	322-1309
19 Cr + 8 Ni	322-0536
19 Cr + 11 Ni + 2 Mn / X 2 Cr Ni 18 9 (Remanit 4306)	322-1363
	322-0783
19 Cr + 21 Ni + 20 Co	355-0517
19 Cr + 21 Ni + 20 Co + 4 W	355-0773
19 Cr + 12 Ni 19 Cr + 21 Ni + 20 Co 19 Cr + 21 Ni + 20 Co + 4 W 19 Cr + 21 Ni + 21 Co + 4 Mo	355-0772
	222 222
20 Cr + 20 Co + 20 Ni / X 40 Co Cr Ni 20 20 (ATS 103)	320-0089
20 Cr + 26 Co	320-0022
20 Cr + 9 Ni	322-0147
20 Cr + 12 Ni + 2 Si	322-0776
20 Cr + 12 Ni + 2 Si / X 15 Cr Ni Si 20 12 (Thermax 4828)	322-1155
20 Cr + 13 Ni + 2 Si	322-0154
20 Cr + 16 Ni + 5 Mn / X 3 Cr Ni Mo Nb W 19 16 (Amagnit 3694)	322-1360
20 Cr + 32 Ni / Vacromium F	355-0219
21 Cr	322-0403
21 Cr + 11 Ni / C F 20	322-0311
21 Cr + 21 Ni + 20 Co / X 12 Cr Co Ni 21 20	322-1587
21 Cr + 35 Ni	355-0343
23 Cr + 10 Ni / Krupp V2 A	322-0158
23 Cr + 20 Ni	322-0156
24 Cr	322-0404
24 Cr + 17 Ni + 5 Mn / X 3 Cr Ni Mo Nb N 23 17 (Amagnit 3974)	322-1361
24 Cr + 20 Ni	322-0537
25 Cr + 13 A1	322-0773
25  Cr + 0.8  C	322-0534
25 Cr + 4.0 Ni	322-0166
25 Cr + 20 Ni	322-0476
25 Cr + 20 Ni + 2 Si	322-1153
25 Cr + 20 Ni + 2 Si	322-0777
25 Cr + 26 Ni + 2 Mo	355-0512

### V. GERMAN STAINLESS STEELS (continued)

			Material Number
26 Cr + 4 Ni 26 Cr + 13 Ni / H H 26 Cr + 20 Ni / H K			322-0774 322-0421 322-0423
27 Cr + 5 Ni + 2 Mo / X 8 Cr Ni Mo 27 5 27 Cr + 8 Ni + 3 Mo / X 8 Cr Ni Mo Cu 2 27 Cr + 18 Ni			322-0901 322-0902 322-0173
28 Cr + 2 Ni 28 Cr + 10 Ni			322-0180 322-0419
29 Cr + 0.6 Mn 29 Cr + 10 Ni / X 10 Cr Ni 30 9			322-0764 322-1300
Fe + Cr			322-0002
VI. INDIAN ST	TAINLESS :	STEELS	
13 Cr + 6 Mn + N			322-1634
17  Cr + 12  Mn + N			322-1635
21  Cr + 13  Mn + N			• • • • • • • • • • • • • • • • • • • •
21  Cr + 15  Mn + N			
21 Cr + 20 Mn + N			322-1636
22 Cr + 18 Mn + N			
23 $Cr + 15 Mn + N$			322-1640
24 Cr + 13 Mn + N			322-1641
26 Cr + 20 Mn + N			
30 Cr + 5 Mn + N			
30  Cr + 11  Mn + N			
31 Cr + 6 Mn + N			322-1645
VII. ITALIAN S	STAINLESS	STEELS	
12 Cr			322-0078
14 Cr			322-0096
14 Cr + 2 W			322-1434
18 Cr + 8 Ni / X 10 C N 1808			322-0916
18 Cr + 8 Ni / 18-8			322-0001
20 Cr			322-0150
23 Cr + 11 Ni			322-0157
24  Cr + 22  Ni			322-0163

### VIII. JAPANESE STAINLESS STEELS

		Material Number
12 Cr		322-0078
12 Cr + 10 Co + 7 W / D S F	• • • • • • • • • • • • • • • • • • • •	322-0895
12 Cr + 7 W + 5 Co / D S E		
12 Cr + / W + 3 CO / D S E	• • • • • • • • • • • • • • • • • • • •	322-0894
13 Cr + 13 Co		320-0099
13 Cr + 13 Co		322-0749
13 Cr + 16 Co		320-0094
13 Cr + 16 Co + 2 Mo		320-0095
13 Cr + 16 Co + 5 Mo		320-0097
13 Cr + 0.5 Ni		322-0306
13 Cr + 8 Ni + 2 Mo		322-0753
13 Cr + 8 Ni + 3 Mo		322-0752
13 Cr + 8 Ni + 5 Mo		322-0751
14 Cr		322-1395
14 Cr + 16 Co + 3 Mo	• • • • • • • • • • • • • • • • • • • •	320-0096
14 Cr + 22 Co		320-0136
14 Cr + 0.3 Mn		320-0136
<u> </u>		
14 Cr + 27 Ni + 2 Si		355-0251
14 Cr + 0.8 Ni		322-1593
(14-26) Cr		322-1601
15 Cr		322-0401
16 Cr + 16 Co		322-0750
16 Cr + 16 Co		320-0101
16 Cr + 0.8 Si		322-1594
17 Cr + 5 Ni / 17-5		322-0747
17 Cr + 7 Ni / 17-7		322-0746
17 Cr + 9 Ni		322-0305
17 Cr + 13 Ni + 1 Mn		322-1351
17 Cr + 13 Ni + 3 Mo		322-1352
17 Cr + 0.6 Si		322-1377
10 C- + 1 V-		000 1500
18 Cr + 1 Mo		322-1599
18 Cr + 2 Mo		322-1600
18 Cr + 8 Ni		322-1147
18 Cr + 8 Ni + 2 Mn / 18-8		322-0001
18 Cr + 8 Ni + 0.5 Si		322-0367
18 Cr + 10 Ni / 18-10		322-0745
18 Cr + 0.5 Si		322-1595
19 Cr + 10 Ni + 2 Mn / SUS 27		322-1378
20 Cr + 0.8 Si		322-1596
20 Cr + 5 Ni / 20-5		322-0748
20 Cr + 26 Ni + 2 Mn		
		355-1293
20 Cr + 26 Ni + 5 Mo		355-1294
20 Cr + 30 Ni		355-1335
21 Cr + 20 Co + 20 Ni / LCN - 155		322-0990
21 Cr + 9 Ni		322-0234
		<b></b> ·

### VIII. JAPANESE STAINLESS STEELS (continued)

																Material Number
23 Cr + 0.8 Si		•		•		•		•								322-1597
25 Cr + 20 Ni	•	•		•	•	•	•	•	•							322-0169
25 Cr + 35 Ni	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	355-1336
26 Cr	•	•	•	•	•	•	•	•	•	•	•	٠	•	•	•	322-1598
28 Cr + 15 Co	•	•	•	•	•	•	•	•	•		•	•	•	•	•	322-1204
28 Cr + 18 Co 28 Cr + 20 Co	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	322-1203 322-1205
28 Cr + 23 Co + 1 Si	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	322-1203
(28-30) Cr + (15-20) Co				:	:		:	:	:							322-1208
30 Cr + 15 Co																322-1206
30 Cr + 20 Co		•		•	•	•	•	•	•		•					322-1207
40 Cr + 0.4 Mn / C E 40	•															322-0921
45 Cr + 0.4 Mn / C E 45																322-0920
45 Cr + 1 Mo / C F M 45-1		•				•										322-0924
45 Cr + 2 Mo / C F M 45-2	•	•	•													322-0925
45 Cr + 0.6 Si / C F M 45-0.5	•	•	•		•	•		•					•	•		322-0923
45 Cr + 0.7 Si / C F M 45-0.2	•	•	•	•	•	•	•	•	•	•		•	•	•	•	322-0922
IX. POLISH ST	TAIN	IL I	ES:	5 :	STI	EEI	LS									
15 Cr + 0.7 Si / L H 14	•															322-0918
16 Cr + 38 Ni + 3 W / A K R N Poldi	•	•	•	•	•	•	•	•	•	•	•	•		•	•	355-0313
17 Cr + 5 A1 / Baildona1 10																322-1573
17 Cr + 8 Ni / L H 17 N 8	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	322-0917
18 Cr + 9 Ni / 1 H 18 N9	•															322-0662
18 Cr + 10 Ni / 1 H 18 N9 T	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	322-0919
20 Cr + 35 Ni	•	•			•		•	•	•				•			355-1320
26 Cr + 0.7 Mn / L H 26																322-0946
28 Cr + 1.0 C / Z 1 Cr 28	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	322-0950
X. ROMANIAN S	STAI	[N]	LES	SS	S	ΓEI	EL:	8								
18 Cr + 0.8 Si + 0.8 Ti / 7 T C 170		•														322-0850

### XI. SWEDISH STAINLESS STEELS

XII. USSR STAINLESS STEELS  XII. USSR STAINLESS STEELS  12 Cr		Material Number
12 Cr 12 Cr + 20 Mn 13 Cr + 7 Ni + 0.7 Al / 00 Kh 12 N7 Yu M 12 Cr + 8 Ni + 0.9 Al / 00 Kh 12 N8 Yu 12 Cr + 8 Ni + 0.9 Mo / 00 Kh 12 N8 Yu 12 Cr + 10 Ni / Kh 12 N 10 12 Cr + 10 Ni / Kh 12 N 10 12 Cr + 16 Ni + 4 Si / EI 850 355-0617 12 Cr + 16 Ni + 3 Ti / Kh 12 N22 T3 M R 355-1263 12 Cr + 0.9 W / 15 Kh 12 V M F 322-0889 13 Cr / Kh 13 322-0889 13 Cr / 3 Kh 13 322-0689 13 Cr / 2 Kh 322-0561 13 Cr / 4 Kh 13 322-0669 13 Cr / 4 Kh 13 322-0669 13 Cr / 4 Kh 13 322-051 13 Cr + 0.4 C 322-051 13 Cr + 0.6 Mn / Kh 13 K 5 322-123 13 Cr + 0.6 Mn / Kh 13 322-1624 13 Cr + 0.6 Mn / 1 Kh 13 322-1624 13 Cr + 0.6 Mn / 1 Kh 13 322-0988 13 Cr + 8 Ni + 0.9 Al / Kh 13 N8 Yu 322-0988 13 Cr + 8 Ni + 0.9 Al / Kh 13 N8 Yu 322-0988 13 Cr + 2 Si / Kh 12 S Yu 322-0986 13 Cr + 2 Si / Kh 12 S Yu 322-0935 14 Cr (14-50) Cr 4 Cr / 12 Kh 14 14 Cr + 2 Al / 0 Kh 13 S 2 Yu2 B T 322-0939 14 Cr + 14 Mn + 3 Ni / Kh 14 G 14 N3 T 322-1012 14 Cr + 14 Mn + 3 Ni / Kh 14 G 14 N3 T 322-1024 14 Cr + 14 Mn + 3 Ni / Kh 14 G 14 N3 T 322-0939 14 Cr + 14 Mn + 3 Ni / Kh 14 G 14 N3 T 322-0948 14 Cr + 14 Mn + 3 Ni / Kh 14 G 14 N3 T 322-0948 14 Cr + 14 Mn + 3 Ni / Kh 14 G 14 N3 T 322-0948 14 Cr + 14 Mn + 3 Ni / Kh 14 G 14 N3 T 322-0948 15 Cr + 14 Mn + 3 Ni / Kh 14 G 14 N3 T 322-0948 16 Cr + 14 Mn + 3 Ni / Kh 14 G 14 N3 T 322-0948 17 Cr + 14 Mn + 3 Ni / Kh 14 G 14 N3 T 322-0948 18 Cr + 14 Mn + 3 Ni / Kh 14 G 14 N3 T 322-0948 19 Cr + 14 Mn + 3 Ni / Kh 14 G 14 N3 T 322-0948 19 Cr + 14 Mn + 3 Ni / Kh 14 G 14 N3 T 322-0948 19 Cr + 14 Mn + 3 Ni / Kh 14 G 14 N3 T 322-0940 10 Cr + 16 Ni + 1.0 Nb / EI 854 10 Cr + 16 Ni + 1.0 Nb / EI 854 11 Cr + 19 Ni + 2 W / I Kh 14 N19 V3 B (EI 851) 11 Cr + 19 Ni + 2 W / I Kh 14 N19 V3 B (EI 851) 11 Cr + 19 Ni + 2 W / I Kh 14 N19 V3 B (EI 851) 11 Cr + 19 Ni + 2 W / I Kh 14 N19 V3 B (EI 851) 11 S55-0956 12 Cr + 2 Ni	20 Cr + 34 Ni / Sanicro 30	
12 Cr + 20 Mn  12 Cr + 7 Ni + 0.7 Al / 00 Kh 12 N7 Yu M  322-1039  12 Cr + 8 Ni + 0.9 Al / 00 Kh 12 N8 Yu  12 Cr + 9 Ni + 0.9 Mo / 00 Kh 12 N9 M  322-1040  12 Cr + 10 Ni / Kh 12 N 10  322-0868  12 Cr + 16 Ni + 4 Si / El 850  355-0617  12 Cr + 23 Ni + 3 Ti / Kh 12 N22 T3 M R  355-1263  12 Cr + 0.9 W / 15 Kh 12 V M F  322-0889  13 Cr / 3 Kh 13  322-0869  13 Cr / 2 Kh  13 Cr / 2 Kh  13 Cr + 0.4 C  322-0512  13 Cr + 0.6 Mn / Kh 13  322-0512  13 Cr + 0.6 Mn / Kh 13  322-1523  13 Cr + 0.6 Mn / Kh 13  322-1624  13 Cr + 0.6 Mn / E Zh 1  13 Cr + 0.6 Mn / E Zh 1  13 Cr + 8 Ni + 0.9 Al / Kh 13 N8 Yu  13 Cr + 36 Ni + 3 Ti / N 36 Kh T (El 702)  13 Cr + 36 Ni + 3 Ti / N 36 Kh T (El 702)  14 Cr + 2 Al / 0 Kh 13 S 2 Yu 2 B T  14 Cr / 12 Kh 14  15 Cr + 13 Ni + 10 Co / Kh Ni 0 Kh 14 N3 T  16 Cr / 12 Kh 14  17 Cr / 12 Kh 14  18 Cr / 12 Kh 14  19 Cr / 12 Kh 14  19 Cr / 12 Kh 14  10 Cr / 12 Kh 14  11 Cr / 12 Kh 14  12 Cr / 12 Kh 14  13 Cr + 13 Ni + 3 Ni / Kh 14 G 14 N3 T  322-0938  14 Cr / 12 Kh 14  15 Cr / 12 Kh 14  16 Cr / 12 Kh 14  17 Cr / 12 Kh 14  18 Cr / 14 Mn + 3 Ni / Kh 14 G 14 N3 T  322-0936  14 Cr / 12 Kh 14  15 Cr / 12 Kh 14  16 Cr / 12 Kh 14  17 Cr / 12 Kh 14  18 Cr / 14 Mn + 3 Ni / Kh 14 G 14 N3 T  322-0938  14 Cr + 13 Ni + 3 Si / W F 100  15 Cr + 16 Ni  16 Cr + 16 Ni  17 Cr + 16 Ni  18 Cr + 19 Ni + 2 W / El 69  322-0246  34 Cr + 19 Ni + 3 Mo + 2 W  355-0659  34 Cr + 21 Ni  355-0659  34 Cr + 21 Ni  355-0658  34 Cr + 21 Ni  355-0658	XII. USSR STAINLESS S	STEELS
12 Cr + 7 Ni + 0.7 Al / 00 Kh 12 N7 Yu M  322-1039 12 Cr + 8 Ni + 0.9 Al / 00 Kh 12 N8 Yu  22 Cr + 9 Ni + 0.9 Mo / 00 Kh 12 N9 M  322-1041 12 Cr + 10 Ni / Kh 12 N 10  322-0868 12 Cr + 16 Ni + 4 Si / EI 850  355-0617 12 Cr + 23 Ni + 3 Ti / Kh 12 N22 T3 M R  355-0617 12 Cr + 23 Ni + 3 Ti / Kh 12 N22 T3 M R  322-0889 13 Cr / Sh 13  322-0889 13 Cr / 3 Kh 13  322-0869 13 Cr / 2 Kh  322-051 13 Cr + 0.4 C  322-051 13 Cr + 0.4 C  322-051 13 Cr + 0.6 Mn / Kh 13  322-0561 13 Cr + 0.6 Mn / Kh 13  322-0561 13 Cr + 0.6 Mn / Kh 13  322-1624 13 Cr + 0.6 Mn / Kh 13  322-1624 13 Cr + 0.6 Mn / E Zh 1  32 Cr + 8 Ni + 0.9 Al / Kh 13 N8 Yu  322-0988 13 Cr + 36 Ni + 3 Ti / N 36 Kh T (EI 702) 13 Cr + 2 Si / Kh 12 S Yu  14 Cr  14 Cr / 12 Kh 14  14 Cr + 2 Al / 0 Kh 13 S 2 Yu2 B T  14 Cr + 14 Mn + 3 Ni / Kh 14 G 14 N3 T  322-0934 14 Cr + 13 Ni + 3 Si / W F 100  14 Cr + 14 Ni + 2 W / EI 736  14 Cr + 16 Ni  17 Cr + 19 Ni + 2 W / EI 854 14 Cr + 19 Ni + 2 W / EI 854 14 Cr + 19 Ni + 2 W / EI 854 14 Cr + 19 Ni + 2 W / EI 854 14 Cr + 19 Ni + 2 W / EI 854 14 Cr + 19 Ni + 2 W / I Kh 14 N18 V2 B RI  355-0658 14 Cr + 2 Ni  355-0658		
12 Cr + 8 Ni + 0.9 Al / 00 Kh 12 N8 Yu 322-1040 12 Cr + 10 Ni + 0.9 Mo / 00 Kh 12 N9 M 322-1041 12 Cr + 10 Ni / Kh 12 N 10 322-0868 12 Cr + 16 Ni + 4 Si / EI 850 355-0617 12 Cr + 23 Ni + 3 Ti / Kh 12 N22 T3 M R 355-1263 12 Cr + 0.9 W / 15 Kh 12 V M F 322-0521 13 Cr / Kh 13 322-0869 13 Cr / 2 Kh 3322-0561 13 Cr / 2 Kh 3322-0562 13 Cr / 4 Kh 13 322-0562 13 Cr / 4 Kh 13 322-0561 13 Cr + 0.4 C 322-031 13 Cr + 0.6 Mn / Kh 13 K 5 322-1145 13 Cr + 0.6 Mn / I Kh 13 322-0561 13 Cr + 0.6 Mn / I Kh 13 322-1623 13 Cr + 0.6 Mn / I Kh 13 322-1623 13 Cr + 0.6 Mn / I Kh 13 322-1623 13 Cr + 0.6 Mn / I Kh 13 322-0623 13 Cr + 0.6 Mn / I Kh 13 322-0623 13 Cr + 2 Si / Kh 12 N8 G8 M F B 322-0988 13 Cr + 36 Ni + 3 Ti / N 36 Kh T (EI 702) 335-0680 14 Cr 36 Ni + 3 Ti / N 36 Kh T (EI 702) 335-0680 14 Cr 3 Ni + 2 W / EI 736 322-1012 14 Cr + 12 Kh 14 322-0093 14 Cr + 13 Ni + 2 W / EI 736 322-0014 14 Cr + 14 Mn + 3 Ni / Kh 14 G 14 N3 T 322-0014 14 Cr + 14 Mn + 3 Ni / Kh 14 G 14 N3 T 322-0014 14 Cr + 14 Ni + 2 W / EI 736 322-0038 14 Cr + 14 Ni + 2 W / EI 69 322-0014 14 Cr + 14 Ni + 2 W / EI 69 322-0014 14 Cr + 14 Ni + 2 W / EI 69 322-0014 14 Cr + 14 Ni + 2 W / EI 69 322-0014 14 Cr + 16 Ni + 1.0 Nb / EI 854 355-0659 14 Cr + 19 Ni + 3 Mo + 2 W 355-0659 14 Cr + 19 Ni + 3 Mo + 2 W 355-0659 14 Cr + 19 Ni + 3 Mo + 2 W 355-0659 14 Cr + 19 Ni + 3 Mo + 2 W 1 Kh 14 N18 V2 B R1 355-0658 14 Cr + 21 Ni + 3 S5 - 0659	$12 Cr + 20 Mn \qquad \dots$	345-0345
12 Cr + 9 Ni + 0.9 Mo / 00 Kh 12 N9 M  12 Cr + 10 Ni / Kh 12 N 10  12 Cr + 10 Ni / Kh 12 N 10  322-0868  12 Cr + 16 Ni + 4 Si / EI 850  13 Cr / 2 Ni + 3 Ti / Kh 12 N22 T3 M R  3355-1263  12 Cr + 0.9 W / 15 Kh 12 V M F  322-0859  13 Cr / Kh 13  322-0889  13 Cr / 3 Kh 13  322-0669  13 Cr / 4 Kh 13  322-0669  13 Cr / 4 Kh 13  322-051  13 Cr + 0.4 C  322-0933  13 Cr + 0.6 Mn / Kh 13  322-1145  13 Cr + 0.6 Mn / Kh 13  322-1623  13 Cr + 0.6 Mn / 1 Kh 13  322-1623  13 Cr + 0.6 Mn / 1 Kh 13  322-0521  13 Cr + 9 Mn + 8 Ni / 4 Kh 12 N8 G8 M F B  13 Cr + 9 Mn + 8 Ni + 0.9 A1 / Kh 13 N8 Yu  322-09868  13 Cr + 2 Si / Kh 12 S Yu  14 Cr  14 Cr / 12 Kh 14  14 Cr + 2 A1 / 0 Kh 13 S 2 Yu2 B T  14 Cr + 14 Mn + 3 Ni / Kh 14 G 14 N3 T  15 Cr + 14 Ni + 2 W / 1 Kh 14 N14 V2 M (EI 257)  14 Cr + 14 Ni + 2 W / 1 Kh 14 N14 V2 M (EI 257)  14 Cr + 14 Ni + 2 W / 1 Kh 14 N18 V2 B (EI 851)  14 Cr + 19 Ni + 3 Mo + 2 W  15 Cr + 19 Ni + 2 W / 1 Kh 14 N18 V2 B (EI 851)  15 Cr + 2 Ni + 2 W / 1 Kh 14 N18 V2 B (EI 851)  15 Cr + 2 Ni + 2 W / 1 Kh 14 N18 V2 B (EI 851)  15 Cr + 19 Ni + 2 W / 1 Kh 14 N18 V2 B (EI 851)  15 Cr + 2 Ni + 2 W / 1 Kh 14 N18 V2 B (EI 851)  15 Cr + 2 Ni + 2 W / 1 Kh 14 N18 V2 B (EI 851)  15 Cr + 19 Ni + 2 W / 1 Kh 14 N18 V2 B (EI 851)  15 Cr + 2 Ni + 2 W / 1 Kh 14 N18 V2 B (EI 851)  15 Cr + 2 Ni + 2 W / 1 Kh 14 N18 V2 B (EI 851)  15 Cr + 19 Ni + 2 W / 1 Kh 14 N18 V2 B (EI 851)  15 Cr + 2 Ni + 2 W / 1 Kh 14 N18 V2 B (EI 851)  15 Cr + 2 Ni + 2 W / 1 Kh 14 N18 V2 B (EI 851)  15 Cr + 2 Ni + 2 W / 1 Kh 14 N18 V2 B (EI 851)  15 Cr + 2 Ni + 2 W / 1 Kh 14 N18 V2 B (EI 851)  15 Cr + 2 Ni + 2 W / 1 Kh 14 N18 V2 B (EI 851)  15 Cr + 2 Ni + 2 W / 1 Kh 14 N18 V2 B (EI 851)  15 Cr + 2 Ni + 2 W / 1 Kh 14 N18 V2 B (EI 851)  15 Cr + 2 Ni + 2 W / 1 Kh 14 N18 V2 B (EI 851)  15 Cr + 2 Ni + 2 W / 1 Kh 14 N18 V2 B (EI 851)  15 Cr + 2 Ni + 2 W / 1 Kh 14 N18 V2 B (EI 851)  15 Cr + 2 Ni + 2 W / 1 Kh 14 N18 V2 B (EI 851)  15 Cr + 2 Ni + 2 W / 1 Kh 14 N18 V2 B (EI 851)  15 Cr + 2 Ni + 2 W / 1 Kh 14 N18 V2 B (EI 851)	12 Cr + 7 Ni + 0.7 A1 / 00 Kh 12 N7 Yu M	322-1039
12 Cr + 10 Ni / Kh 12 N 10 12 Cr + 16 Ni + 4 Si / EI 850 12 Cr + 123 Ni + 3 Ti / Kh 12 N22 T3 M R 355-1263 12 Cr + 0.9 W / 15 Kh 12 V M F 322-0521 13 Cr / Kh 13 322-0689 13 Cr / 3 Kh 13 322-0669 13 Cr / 2 Kh 322-0512 13 Cr / 4 Kh 13 322-0512 13 Cr / 4 Kh 13 322-0512 13 Cr + 0.6 Mn / Si / S	12 Cr + 8 Ni + 0.9 A1 / 00 Kh 12 N8 Yu	322–1040
12 Cr + 16 Ni + 4 Si / EI 850  12 Cr + 23 Ni + 3 Ti / Kh 12 N22 T3 M R  355-1263  12 Cr + 0.9 W / 15 Kh 12 V M F  322-0829  13 Cr / Kh 13  322-0889  13 Cr / 2 Kh  322-0669  13 Cr / 2 Kh  322-0512  13 Cr / 4 Kh 13  322-0669  13 Cr / 4 Kh 13  322-0512  13 Cr + 0.4 C  322-0513  13 Cr + 5 Co / Kh 13 K 5  322-1145  13 Cr + 0.6 Mn / Kh 13  322-1623  13 Cr + 0.6 Mn / E Zh 1  13 Cr + 0.6 Mn / E Zh 1  13 Cr + 0.6 Mn / E Zh 1  22-0099  13 Cr + 9 Mn + 8 Ni / 4 Kh 12 N8 G8 M F B  322-0099  13 Cr + 9 Mn + 8 Ni / 4 Kh 13 N8 Yu  322-0098  13 Cr + 13 Ni + 10 Co / Kh N10 K  322-0667  14 Cr - 2 Si / Kh 12 S Yu  322-0935  14 Cr - 12 Kh 14  14 Cr + 2 Al / 0 Kh 13 S 2 Yu2 B T  14 Cr + 14 Mn + 3 Ni / Kh 14 G 14 N3 T  12-0999  14 Cr + 14 Mn + 3 Ni / Kh 14 G 14 N3 T  322-0939  14 Cr + 13 Ni + 2 W / EI 736  14 Cr + 13 Ni + 2 W / EI 736  14 Cr + 14 Ni + 2 W / EI 69  14 Cr + 14 Ni + 2 W / EI 69  14 Cr + 16 Ni + 1.0 Nb / EI 854  14 Cr + 19 Ni + 2 W / I Kh 14 N19 V3 B (EI 851)  15 Cr + 19 Ni + 2 W / I Kh 14 N18 V2 B R1  355-0659  14 Cr + 19 Ni + 2 W / I Kh 14 N19 V3 B (EI 851)  355-0658  14 Cr + 19 Ni + 2 W / I Kh 14 N19 V3 B (EI 851)  355-0658  14 Cr + 19 Ni + 2 W / I Kh 14 N19 V3 B (EI 851)  355-0658  14 Cr + 19 Ni + 2 W / I Kh 14 N19 V3 B (EI 851)  355-0658  14 Cr + 19 Ni + 2 W / I Kh 14 N18 V2 B R1  355-0658  14 Cr + 19 Ni + 2 W / I Kh 14 N18 V2 B R1  355-0668	12 Cr + 9 Ni + 0.9 Mo / 00 Kh 12 N9 M	322-1041
12 Cr + 23 Ni + 3 Ti / Kh 12 N22 T3 M R	12 Cr + 10 Ni / Kh 12 N 10	322-0868
12 Cr + 0.9 W / 15 Kh 12 V M F  13 Cr / Kh 13  13 Cr / S Kh 13  13 Cr / 2 Kh  13 Cr / 2 Kh  13 Cr / 2 Kh  13 Cr / 4 Kh 13  13 C2-0569  13 Cr + 0.4 C  13 Cr + 0.6 Mn / Kh 13  13 Cr + 0.6 Mn / 1 Kh 13  13 Cr + 0.6 Mn / 1 Kh 13  13 Cr + 0.6 Mn / 1 Kh 13  13 Cr + 0.6 Mn / 1 Kh 13  13 Cr + 0.6 Mn / 1 Kh 13  13 Cr + 0.6 Mn / 1 Kh 13  13 Cr + 0.6 Mn / 1 Kh 13  13 Cr + 0.6 Mn / 1 Kh 13  13 Cr + 0.6 Mn / 1 Kh 13  13 Cr + 0.6 Mn / 1 Kh 13  13 Cr + 0.6 Mn / 1 Kh 13  13 Cr + 0.6 Mn / 1 Kh 13  13 Cr + 0 Mn + 8 Ni / 4 Kh 12 N8 G8 M F B  13 Cr + 13 Ni + 10 Co / Kh N10 K  13 Cr + 13 Ni + 10 Co / Kh N10 K  13 Cr + 2 Si / Kh 12 S Yu  14 Cr  14 Cr  14 Cr / 12 Kh 14  15 Cr + 14 Mn + 3 Ni / Kh 14 G 14 N3 T  16 Cr + 13 Ni + 3 Si / W F 100  17 Cr + 14 Ni + 2 W / E I 736  18 Cr + 16 Ni + 10 Nb / E I 854  19 Cr + 19 Ni + 2 W / I Kh 14 N18 V2 B R1  19 Cr + 19 Ni + 2 W / I Kh 14 N18 V2 B R1  10 Cr + 19 Ni + 2 W / I Kh 14 N18 V2 B R1  10 Cr + 19 Ni + 2 W / I Kh 14 N18 V2 B R1  10 Cr + 12 Ni + 2 W / I Kh 14 N18 V2 B R1  10 Cr + 12 Ni + 2 W / I Kh 14 N18 V2 B R1  10 Cr + 12 Ni + 2 W / I Kh 14 N18 V2 B R1  10 Cr + 12 Ni + 2 W / I Kh 14 N18 V2 B R1  10 Cr + 12 Ni + 2 W / I Kh 14 N18 V2 B R1  10 Cr + 12 Ni + 2 W / I Kh 14 N18 V2 B R1  10 Cr + 12 Ni + 2 W / I Kh 14 N18 V2 B R1  10 Cr + 12 Ni + 2 W / I Kh 14 N18 V2 B R1  10 Cr + 12 Ni + 2 W / I Kh 14 N18 V2 B R1  10 Cr + 12 Ni + 2 W / I Kh 14 N18 V2 B R1  10 Cr + 12 Ni	12 Cr + 16 Ni + 4 Si / EI 850	355-0617
13 Cr / Kh 13 322-0889 13 Cr / 3 Kh 13 322-0669 13 Cr / 2 Kh 322-0512 13 Cr / 4 Kh 13 322-0561 13 Cr + 0.4 C 322-0531 13 Cr + 5 Co / Kh 13 K 5 322-1145 13 Cr + 0.6 Mn / Kh 13 322-1623 13 Cr + 0.6 Mn / E Zh 1 322-0099 13 Cr + 9 0.6 Mn / E Zh 1 322-0099 13 Cr + 9 Mn + 8 Ni / 4 Kh 12 N8 G8 M F B 322-0998 13 Cr + 9 Mn + 8 Ni / 4 Kh 13 N8 Yu 322-0667 13 Cr + 13 Ni + 10 Co / Kh N10 K 322-0667 13 Cr + 2 Si / Kh 12 S Yu 322-0640 13 Cr + 2 Si / Kh 12 S Yu 322-0935 14 Cr 32 Si / Kh 12 S Yu 322-0935 14 Cr 32 Si / Kh 12 S Yu 322-0936 14 Cr 4 13 Ni + 10 Ch / Kh 13 N T 322-1014 15 Cr + 14 Mn + 3 Ni / Kh 14 G 14 N3 T 322-1014 16 Cr + 14 Ni + 2 W / EI 736 322-0938 17 Cr + 13 Ni + 3 Si / W F 100 322-0247 18 Cr + 14 Ni + 2 W / EI 69 322-0214 19 Cr + 16 Ni + 1 Ni + 2 W / EI 69 322-0214 19 Cr + 16 Ni + 1 Ni + 2 W / EI 854 355-0658 19 Cr + 19 Ni + 2 W / I Kh 14 N18 V2 B R1 355-0658 19 Cr + 19 Ni + 2 W / I Kh 14 N19 V3 B (EI 851) 355-0658 19 Cr + 19 Ni + 2 W / I Kh 14 N18 V2 B R1 355-0658 19 Cr + 21 Ni 355-0658 19 Cr + 21 Ni 355-0997	12 Cr + 23 Ni + 3 Ti / Kh 12 N22 T3 M R	355-1263
13 Cr / 3 Kh 13 13 Cr / 2 Kh 322-0569 13 Cr / 4 Kh 13 13 Cr + 0.4 C 322-0531 13 Cr + 0.4 C 322-0531 13 Cr + 5 Co / Kh 13 K 5 322-1145 13 Cr + 0.6 Mn / Kh 13 322-1623 13 Cr + 0.6 Mn / 1 Kh 13 322-1623 13 Cr + 0.6 Mn / E Zh 1 322-0998 13 Cr + 9 Mn + 8 Ni / 4 Kh 12 N8 G8 M F B 322-0998 13 Cr + 8 Ni + 0.9 Al / Kh 13 N8 Yu 322-0867 13 Cr + 13 Ni + 10 Co / Kh N10 K 322-0644 13 Cr + 2 Si / Kh 12 S Yu 355-0680 13 Cr + 2 Si / Kh 12 S Yu 322-0937 14 Cr 14 Cr / 12 Kh 14 15 Cr + 2 Al / 0 Kh 13 S 2 Yu2 B T 16 Cr + 14 Mn + 3 Ni / Kh 14 G 14 N3 T 322-0939 14 Cr + 13 Ni + 3 Si / W F 100 15 Cr + 14 Ni + 2 W / EI 736 16 Cr + 14 Ni + 2 W / EI 69 17 Cr + 16 Ni 18 Cr + 16 Ni 19 Cr + 16 Ni 19 Cr + 16 Ni 202-0939 14 Cr + 16 Ni 202-0947 15 Cr + 16 Ni 202-0958 16 Cr + 19 Ni + 2 W / EI 69 17 Cr + 10 Ni + 1 Ni + 2 W / EI 69 18 Cr + 19 Ni + 2 W / I Kh 14 N14 V2 B R1 18 Cr + 19 Ni + 2 W / I Kh 14 N19 V3 B (EI 851) 18 Cr + 19 Ni + 2 W / I Kh 14 N19 V3 B (EI 851) 18 Cr + 19 Ni + 2 W / I Kh 14 N18 V2 B R1 18 Cr + 21 Ni 18 Cr + 21 Ni 18 22-0966	12 Cr + 0.9 W / 15 Kh 12 V M F	
13 Cr / 2 Kh  13 Cr / 4 Kh 13  13 Cr + 0.4 C  13 Cr + 0.6 C	13 Cr / Kh 13	322-0889
13 Cr / 2 Kh  13 Cr / 4 Kh 13  322-0561  13 Cr + 0.4 C  322-0933  13 Cr + 5 Co / Kh 13 K 5  322-1145  13 Cr + 0.6 Mn / Kh 13  322-1623  13 Cr + 0.6 Mn / 1 Kh 13  322-1624  13 Cr + 0.6 Mn / E Zh 1  322-0099  13 Cr + 9 Mn + 8 Ni / 4 Kh 12 N8 G8 M F B  322-0099  13 Cr + 9 Mn + 8 Ni / 4 Kh 13 N8 Yu  322-0644  13 Cr + 13 Ni + 10 Co / Kh N10 K  322-0644  13 Cr + 36 Ni + 3 Ti / N 36 Kh T (EI 702)  355-0680  13 Cr + 2 Si / Kh 12 S Yu  322-0935  14 Cr  14 Cr / 12 Kh 14  14 Cr + 2 Al / 0 Kh 13 S 2 Yu2 B T  14 Cr + 14 Mn + 3 Ni / Kh 14 G 14 N3 T  14 Cr + 13 Ni + 3 Si / W F 100  14 Cr + 14 Ni + 2 W / EI 736  14 Cr + 14 Ni + 2 W / I Kh 14 N14 V2 M (EI 257)  14 Cr + 16 Ni  15 Cr + 19 Ni + 2 W / I Kh 14 N19 V3 B (EI 851)  15 Cr + 19 Ni + 2 W / I Kh 14 N18 V2 B R1  16 Cr + 19 Ni + 2 W / I Kh 14 N18 V2 B R1  17 Cr + 19 Ni + 2 W / I Kh 14 N18 V2 B R1  18 Cr + 2 I Ni  325-0996  19 Cr + 19 Ni + 2 W / I Kh 14 N19 V3 B (EI 851)  355-0658  14 Cr + 19 Ni + 2 W / I Kh 14 N18 V2 B R1  355-0658  14 Cr + 19 Ni + 2 W / I Kh 14 N18 V2 B R1  355-0668	13 Cr / 3 Kh 13	
13 Cr / 4 Kh 13 13 Cr + 0.4 C 13 Cr + 0.4 C 13 Cr + 5 Co / Kh 13 K 5 13 Cr + 0.6 Mn / Kh 13 13 Cr + 0.6 Mn / Kh 13 13 Cr + 0.6 Mn / 1 Kh 13 13 Cr + 0.6 Mn / 1 Kh 13 13 Cr + 0.6 Mn / E Zh 1 13 Cr + 0.6 Mn / E Zh 1 13 Cr + 9 Mn + 8 Ni / 4 Kh 12 N8 G8 M F B 13 Cr + 8 Ni + 0.9 Al / Kh 13 N8 Yu 13 Cr + 13 Ni + 10 Co / Kh N10 K 13 Cr + 13 Ni + 10 Co / Kh N10 K 13 Cr + 2 Si / Kh 12 S Yu 14 Cr + 2 Si / Kh 12 S Yu 15 Cr + 12 Kh 14 16 Cr + 12 Kh 14 17 Cr + 13 Ni + 10 Kh 13 S 2 Yu2 B T 18 Cr + 13 Ni + 2 W / EI 736 19 Cr + 13 Ni + 3 Si / W F 100 10 Cr + 14 Ni + 2 W / EI 69 11 Cr + 16 Ni 12 Cr + 16 Ni 13 Cr + 16 Ni 14 Cr + 17 Ni + 2 W / EI 69 15 Cr + 18 Ni + 2 W / EI 69 16 Cr + 19 Ni + 3 Mo + 2 W 17 Cr + 19 Ni + 2 W / 1 Kh 14 N19 V3 B (EI 851) 17 Cr + 19 Ni + 2 W / 1 Kh 14 N18 V2 B R1 18 Cr + 19 Ni + 2 W / 1 Kh 14 N18 V2 B R1 19 Cr + 10 Ni 19 Cr + 2 Ni 10 Cr + 2 Ni 10 Cr + 2 Ni 11 Cr + 19 Ni + 2 W / 1 Kh 14 N19 V3 B (EI 851) 10 Cr + 2 Ni 10 Cr + 2 Ni 11 Cr + 2 Ni 12 Cr + 2 Ni 13 Cr + 2 Ni 14 Cr + 19 Ni + 2 W / 1 Kh 14 N19 V3 B (EI 851) 11 Cr + 2 Ni 11 Cr + 2 Ni 12 Cr + 2 Ni 13 Cr + 2 Ni 14 Cr + 2 Ni 15 Cr + 2 Ni 16 Cr + 2 Ni 17 Cr + 2 Ni 18 Cr	13 Cr / 2 Kh	322-0512
13 Cr + 0.4 C  13 22-0933  13 Cr + 5 Co / Kh 13 K 5  322-1145  13 Cr + 0.6 Mn / Kh 13  322-1624  13 Cr + 0.6 Mn / E Zh 1  322-0998  13 Cr + 9 Mn + 8 Ni / 4 Kh 12 N8 G8 M F B  322-0988  13 Cr + 8 Ni + 0.9 A1 / Kh 13 N8 Yu  322-0667  13 Cr + 13 Ni + 10 Co / Kh N10 K  322-0667  13 Cr + 36 Ni + 3 Ti / N 36 Kh T (EI 702)  3355-0680  13 Cr + 2 Si / Kh 12 S Yu  322-0935  14 Cr  (14-50) Cr  322-1012  14 Cr + 12 Kh 14  14 Cr + 2 A1 / 0 Kh 13 S 2 Yu2 B T  14 Cr + 13 Ni + 2 W / EI 736  322-0939  14 Cr + 14 Mn + 3 Ni / Kh 14 G 14 N3 T  322-0940  14 Cr + 14 Ni + 2 W / EI 69  322-0247  14 Cr + 14 Ni + 2 W / EI 69  322-0246  14 Cr + 16 Ni  322-0236  14 Cr + 19 Ni + 3 Mo + 2 W  15 S - 0658  14 Cr + 19 Ni + 2 W / I Kh 14 N19 V3 B (EI 851)  355-0658  14 Cr + 19 Ni + 2 W / I Kh 14 N19 V3 B (EI 851)  355-0658  14 Cr + 19 Ni + 2 W / I Kh 14 N18 V2 B R1  355-0658  14 Cr + 19 Ni + 2 W / I Kh 14 N18 V2 B R1  355-0658	13 Cr / 4 Kh 13	
13 Cr + 5 Co / Kh 13 K 5  13 Cr + 0.6 Mn / Kh 13  13 Cr + 0.6 Mn / Kh 13  13 Cr + 0.6 Mn / I Kh 13  13 Cr + 0.6 Mn / I Kh 13  322-1623  13 Cr + 0.6 Mn / E Zh 1  13 Cr + 0.6 Mn / E Zh 1  13 Cr + 9 Mn + 8 Ni / 4 Kh 12 N8 G8 M F B  322-0988  13 Cr + 8 Ni + 0.9 Al / Kh 13 N8 Yu  322-0867  13 Cr + 13 Ni + 10 Co / Kh N10 K  13 Cr + 36 Ni + 3 Ti / N 36 Kh T (EI 702)  355-0680  13 Cr + 2 Si / Kh 12 S Yu  322-0935  14 Cr  (14-50) Cr  322-1028  14 Cr / 12 Kh 14  16 Cr + 14 Mn + 3 Ni / Kh 14 G 14 N3 T  17 Cr + 14 Mn + 3 Ni / Kh 14 G 14 N3 T  18 Cr + 13 Ni + 2 W / EI 736  19 Cr + 14 Ni + 2 W / I Kh 14 N14 V2 M (EI 257)  19 Cr + 16 Ni  10 Cr + 16 Ni + 1.0 Nb / EI 854  11 Cr + 19 Ni + 2 W / I Kh 14 N19 V3 B (EI 851)  11 Cr + 19 Ni + 2 W / I Kh 14 N18 V2 B R1  11 Cr + 10 Ni  355-0658  14 Cr + 19 Ni + 2 W / I Kh 14 N18 V2 B R1  13 Cr + 21 Ni  355-0996		
13 Cr + 0.6 Mn / Kh 13 13 Cr + 0.6 Mn / 1 Kh 13 13 Cr + 0.6 Mn / 1 Kh 13 13 Cr + 0.6 Mn / 1 Kh 13 13 22-1624 13 Cr + 0.6 Mn / E Zh 1 13 Cr + 0.6 Mn / E Zh 1 13 Cr + 9 Mn + 8 Ni / 4 Kh 12 N8 G8 M F B 13 Cr + 9 Mn + 8 Ni / 4 Kh 13 N8 Yu 1322-0988 13 Cr + 8 Ni + 0.9 A1 / Kh 13 N8 Yu 1322-0667 13 Cr + 13 Ni + 10 Co / Kh N10 K 1322-0667 13 Cr + 2 Si / Kh 12 S Yu 1322-0935 14 Cr 14 Cr 15 Cr 16 Cr 17 Cr 18 Cr 18 Cr 19 Cr 10 Cr 10 Cr 11 Cr 12 Cr 14 Cr / 12 Kh 14 15 Cr 16 Cr 17 Cr 18		
13 Cr + 0.6 Mn / 1 Kh 13  13 Cr + 0.6 Mn / E Zh 1  13 Cr + 0.6 Mn / E Zh 1  13 Cr + 9 Mn + 8 Ni / 4 Kh 12 N8 G8 M F B  13 Cr + 8 Ni + 0.9 A1 / Kh 13 N8 Yu  13 Cr + 13 Ni + 10 Co / Kh N10 K  13 Cr + 36 Ni + 3 Ti / N 36 Kh T (EI 702)  13 Cr + 2 Si / Kh 12 S Yu  322-0644  13 Cr + 2 Si / Kh 12 S Yu  322-0935  14 Cr  14 Cr / 12 Kh 14  15 Cr + 2 A1 / 0 Kh 13 S 2 Yu2 B T  16 Cr + 14 Mn + 3 Ni / Kh 14 G 14 N3 T  17 Cr + 13 Ni + 2 W / EI 736  18 Cr + 14 Ni + 2 W / I Kh 14 N14 V2 M (EI 257)  19 Cr + 16 Ni  10 Cr + 16 Ni  11 Cr + 17 Ni + 2 W / I Kh 14 N19 V3 B (EI 851)  11 Cr + 19 Ni + 2 W / I Kh 14 N18 V2 B R1  12 Cr + 19 Ni + 2 W / I Kh 14 N18 V2 B R1  13 Cr + 20 N3 N3 N3 N3 N4 N18 V3 N5 N5 N658  14 Cr + 19 Ni + 2 W / I Kh 14 N18 V2 B R1  13 S2-0996  14 Cr + 19 Ni + 2 W / I Kh 14 N19 V3 B (EI 851)  13 S5-0658  14 Cr + 19 Ni + 2 W / I Kh 14 N18 V2 B R1  13 S5-0996		
13 Cr + 0.6 Mn / E Zh 1  13 Cr + 9 Mn + 8 Ni / 4 Kh 12 N8 G8 M F B  13 Cr + 8 Ni + 0.9 A1 / Kh 13 N8 Yu  13 Cr + 13 Ni + 10 Co / Kh N10 K  13 Cr + 36 Ni + 3 Ti / N 36 Kh T (EI 702)  14 Cr  15 Cr + 2 Si / Kh 12 S Yu  16 Cr / 12 Kh 14  17 Cr + 2 A1 / 0 Kh 13 S 2 Yu2 B T  18 Cr + 14 Mn + 3 Ni / Kh 14 G 14 N3 T  19 Cr + 13 Ni + 2 W / EI 736  10 Cr + 14 Ni + 2 W / EI 69  11 Cr + 16 Ni  12 Cr + 16 Ni + 1.0 Nb / EI 854  13 Cr + 19 Ni + 2 W / 1 Kh 14 N18 V2 B R1  14 Cr + 19 Ni + 2 W / 1 Kh 14 N18 V2 B R1  17 S 22-0968  18 Cr + 19 Ni + 2 W / 1 Kh 14 N18 V2 B R1  19 S 22-0967  10 S 22-0968  11 Cr + 19 Ni + 2 W / 1 Kh 14 N18 V2 B R1  11 S 22-0996  12 Cr + 19 Ni + 2 W / 1 Kh 14 N18 V2 B R1  13 S 2-0996  14 Cr + 19 Ni + 2 W / 1 Kh 14 N18 V2 B R1  13 S 35-0658  14 Cr + 19 Ni + 2 W / 1 Kh 14 N18 V2 B R1  13 S 5-0996		
13 Cr + 9 Mn + 8 Ni / 4 Kh 12 N8 G8 M F B		
13 Cr + 8 Ni + 0.9 A1 / Kh 13 N8 Yu		
13 Cr + 13 Ni + 10 Co / Kh N10 K  13 Cr + 36 Ni + 3 Ti / N 36 Kh T (EI 702)  13 Cr + 2 Si / Kh 12 S Yu  322-0935  14 Cr  (14-50) Cr  14 Cr / 12 Kh 14  14 Cr + 2 A1 / 0 Kh 13 S 2 Yu2 B T  14 Cr + 14 Mn + 3 Ni / Kh 14 G 14 N3 T  15 Cr + 13 Ni + 2 W / EI 736  16 Cr + 14 Ni + 2 W / I Kh 14 N14 V2 M (EI 257)  17 Cr + 14 Ni + 2 W / EI 69  18 Cr + 16 Ni  19 Cr + 16 Ni  10 Cr + 17 Ni + 3 Mo + 2 W  10 Cr + 19 Ni + 3 Mo + 2 W  11 Cr + 19 Ni + 3 Mo + 2 W  12 Cr + 19 Ni + 2 W / 1 Kh 14 N19 V3 B (EI 851)  13 Cr + 16 Ni  14 Cr + 19 Ni + 2 W / 1 Kh 14 N18 V2 B R1  15 Cr + 19 Ni + 2 W / 1 Kh 14 N18 V2 B R1  16 Cr + 21 Ni  17 Cr + 21 Ni  22 C-064  23 C-0680  23 C-0935  24 Cr + 19 Ni + 2 W / 1 Kh 14 N19 V3 B (EI 851)  25 C-0658  26 Cr + 21 Ni  26 Cr + 21 Ni  27 C-0680  28 Cr + 21 Ni  32 C-0680  32 C-0935  32 C-0939  32		
13 Cr + 36 Ni + 3 Ti / N 36 Kh T (EI 702)		
13 Cr + 2 Si / Kh 12 S Yu		
14 Cr (14-50) Cr 322-1028 14 Cr / 12 Kh 14 14 Cr + 2 Al / 0 Kh 13 S 2 Yu2 B T 14 Cr + 14 Mn + 3 Ni / Kh 14 G 14 N3 T 14 Cr + 3 Ni + 2 W / EI 736 14 Cr + 13 Ni + 3 Si / W F 100 15 Cr 16 Cr + 14 Ni + 2 W / 1 Kh 14 N14 V2 M (EI 257) 16 Cr + 14 Ni + 2 W / EI 69 17 Cr + 16 Ni 18 Cr + 16 Ni 19 Cr + 16 Ni 19 Cr + 19 Ni + 3 Mo + 2 W 10 Cr + 19 Ni + 2 W / 1 Kh 14 N19 V3 B (EI 851) 19 Cr + 19 Ni + 2 W / 1 Kh 14 N18 V2 B R1 10 Cr + 21 Ni 11 Cr + 21 Ni 12 Cr + 21 Ni 13 S2-0096	•	
(14-50) Cr       322-1228         14 Cr / 12 Kh 14       322-1012         14 Cr + 2 A1 / 0 Kh 13 S 2 Yu2 B T       322-0939         14 Cr + 14 Mn + 3 Ni / Kh 14 G 14 N3 T       322-1014         14 Cr + 3 Ni + 2 W / EI 736       322-0908         14 Cr + 13 Ni + 3 Si / W F 100       322-0247         14 Cr + 14 Ni + 2 W / 1 Kh 14 N14 V2 M (EI 257)       322-0236         14 Cr + 14 Ni + 2 W / EI 69       322-0014         14 Cr + 16 Ni       355-0997         14 Cr + 19 Ni + 3 Mo + 2 W       355-0659         14 Cr + 19 Ni + 2 W / 1 Kh 14 N19 V3 B (EI 851)       355-0659         14 Cr + 19 Ni + 2 W / 1 Kh 14 N18 V2 B R1       355-0658         14 Cr + 21 Ni       355-0996	13 C1 + 2 S1 / RH 12 S 14	
14 Cr / 12 Kh 14  14 Cr + 2 A1 / 0 Kh 13 S 2 Yu2 B T  14 Cr + 14 Mn + 3 Ni / Kh 14 G 14 N3 T  15 Cr + 13 Ni + 2 W / EI 736  16 Cr + 13 Ni + 3 Si / W F 100  17 Cr + 14 Ni + 2 W / I Kh 14 N14 V2 M (EI 257)  18 Cr + 14 Ni + 2 W / EI 69  19 Cr + 16 Ni  10 Cr + 16 Ni  11 Cr + 16 Ni + 1.0 Nb / EI 854  12 Cr + 19 Ni + 3 Mo + 2 W  13 Cr + 19 Ni + 2 W / 1 Kh 14 N19 V3 B (EI 851)  15 Cr + 19 Ni + 2 W / 1 Kh 14 N18 V2 B R1  16 Cr + 21 Ni  17 Cr + 21 Ni  18 Cr + 20 Ni  18 Cr + 21 Ni  18 Cr + 21 Ni  18 Cr + 20 Ni  18 Cr + 20 Ni  18 Cr + 20 Ni  18 Cr + 21 Ni  18 Cr + 22 Ni	14 Cr	322-0096
14 Cr + 2 A1 / 0 Kh 13 S 2 Yu2 B T	(14-50) Cr	322-1228
14 Cr + 14 Mn + 3 Ni / Kh 14 G 14 N3 T	14 Cr / 12 Kh 14	322-1012
14 Cr + 3 Ni + 2 W / EI 736	14 Cr + 2 A1 / 0 Kh 13 S 2 Yu2 B T	322-0939
14 Cr + 13 Ni + 3 Si / W F 100	14 Cr + 14 Mn + 3 Ni / Kh 14 G 14 N3 T	322-1014
14 Cr + 14 Ni + 2 W / 1 Kh 14 N14 V2 M (EI 257)	14 Cr + 3 Ni + 2 W / EI 736	322-0908
14 Cr + 14 Ni + 2 W / 1 Kh 14 N14 V2 M (EI 257)	14 Cr + 13 Ni + 3 Si / W F 100	322-0247
14 Cr + 14 Ni + 2 W / EI 69	14 Cr + 14 Ni + 2 W / 1 Kh 14 N14 V2 M (ET 257)	
14 Cr + 16 Ni 14 Cr + 16 Ni + 1.0 Nb / EI 854 14 Cr + 19 Ni + 3 Mo + 2 W 15 Cr + 19 Ni + 2 W / 1 Kh 14 N19 V3 B (EI 851) 16 Cr + 19 Ni + 2 W / 1 Kh 14 N18 V2 B R1 17 Cr + 21 Ni 18 Cr + 21 Ni 19 Cr + 21 Ni 10 Cr + 21 Ni 11 Cr + 21 Ni 12 Cr + 21 Ni 13 55-0658 14 Cr + 21 Ni 15 Cr + 21 Ni 16 Cr + 21 Ni 17 Cr + 21 Ni 18 Cr + 21 Ni 19 Cr + 21 Ni		
14 Cr + 16 Ni + 1.0 Nb / EI 854		
14 Cr + 19 Ni + 3 Mo + 2 W		
14 Cr + 19 Ni + 2 W / 1 Kh 14 N19 V3 B (EI 851)		
14 Cr + 19 Ni + 2 W / 1 Kh 14 N18 V2 B R1		
14 Cr + 21 Ni		

															Material Number
15 Cr + 5 A1															322-0892
15 Cr + 5 A1 + 0.5 Ca	•	•	•	•	•	•	•	•	• •	•	•	•	•	•	322-0892
15 Cr + 0.3 C / 25 Kh 15	•	•	•	•	•	•	•	•	• •	•	•	•	•	•	322-0693
15 Cr + 0.5 C / 25 km 15	•	•	•	•	•	•	•	•	• •	•	•	•	•	•	345-0346
15 Cr + 5 Ni + 2 Cu / Kh 15 N5 D2 T	•	•	•	•	•	•	•	•	• •	•	•	•	•	•	322-1013
15 Cr + 8 Ni + 1.0 A1 / Kh 15 N9 Yu	•	•	•	•	•	•	•	•	• •	•	•	•	•	•	322-1013
15 Cr + 8 Ni + 2 Mo / Kh 15 N7 Yu M2	•	•	•	•	•	•	•	•	• •	•	•	•	•	•	322-1059
15 Cr + 8 N1 + 2 M0 / KR 15 N/ 14 M2 15 Cr + 15 Ni + 3 Co / Kh 15 N15 K3 V M		•	•	•	•	•	•	•	•	•	•	•	•	•	322-1038
	•	•	•	•	•	•	•	•	• •	•	•	•	•	٠	
15 Cr + 24 Ni + 2 Ti / Kh 15 N24 T2	•	•	•	•	•	•	•	•	• •	•	•	•	•	•	355-0570
15 Cr + 24 Ni + 5 W / EP 164	•	•	•	•	•	•	•	•	•	•	•	•	•	•	355-0911
15 Cr + 25 Ni	•	•	•	•	•	•	•	•	• •	•	•	•	•	٠	355-0384
15 Cr + 25 Ni	•	•	•	•	•	•	•	•		•	•	•	٠	•	355-0387
15 Cr + 25 Ni / Kh 15 N25	•	•	•	•	•	•	•	•	• •	•	•	٠	٠	٠	355-0381
15 Cr + 25 Ni	•	•	•	•	•	•	•	•	• •	•	•	٠	•	•	355-0404
15 Cr + 25 Ni + 3 Mo	•	٠	•	•	•	•	•	•	• •	•	٠	•	•	•	355-0407
15 Cr + 25 Ni + 3 Mo + 3 W	•	•	•	٠	•	•	•	•	• •	•	٠	٠	•	•	355-0390
15 Cr + 25 Ni + 3 W	•	•	•	•	•	•	•	•		•	٠	٠	٠	•	355-0406
15 Cr + 25 Ni + 3 W / Kh 15 N25 M3 V3		•	-	-	•	•	•	•		٠	٠	•	٠	•	355-0399
15 Cr + 25 Ni + 3 W / Kh 15 N25 M3 V3 T	Yı	1	•	•	•	•	•	•		٠	٠	•	•	•	355-0388
15 Cr + 34 Ni + 3 W / Kh 15 N35 V M T	•	•	•	•	-	-	•	•		•	•	•	•	•	355-0223
15 Cr + 34 Ni + 3 W / Kh 15 N35 V2 M2 T	R	•	•	•	•	•	•	•		•	•	•	•	•	355-0374
15 Cr + 36 Ni + 3 W / Kh N35 V K T			•		•	•	•			•	•	•	•		355-0482
15 Cr + 36 Ni + 3 W / Kh N35 V T (EI 61)	2)	•	•		•		•	•		•	•	•	•		355-0481
15 Cr + 37 Ni		•	•		•		•	•				•			355-0008
15 Cr + 10 Nb + 5 Mo + 1 A1 / 70 N Kh B	M	Yu		•	•	•	•	•		•	•	•	•	•	322-1354
16 Cr / 16 Kh V I (EP 638)			•												322-0941
16 Cr + 13 Mn / G 13 Kh 16		•													322-0971
16 Cr + 20 A1	•						•	•							304-0087
(16-50) Cr + 20 A1								•		•		•			322-1423
16 Cr + 2 Ni / EP 479		•	•				•	•		•					322-0674
16 Cr + 4 Ni / 1 Kh 16 N4 B	•						•								322-1326
16 Cr + 6 Ni / Kh 16 N6															322-1325
16 Cr + 7 Ni / S N 2 A (EP 288)		•													322-0927
16 Cr + 13 Ni + 2 Mo / 1 Kh 16 N13 M2 B															322-0569
16 Cr + 15 Ni + 3 Mo / 0 Kh 16 N15 M3 (	ΕI	84	4)												322-0869
16 Cr + 15 Ni + 3 Mo / Kh 16 N15 M3 B (	ΕI	84	7)												322-0870
16 Cr + 16 Ni + 2 W / 1 Kh 16 N16 V2 B															322-1015
16 Cr + 16 Ni + 3 W / EI 714															355-0315
16 Cr + 25 Ni + 6 Mo / 1 Kh 16 N25 M6 (								•							355-0373
16 Cr + 26 Ni + 7 Mo / Kh 16 N26 M7					Ì	-							•		355-0479
16 Cr + 37 Ni + 3 W / 0 Kh16 N36 V3 T	•												•		355-0328
(16-50) Cr + (5-50) A1		•						:			•				322-0944
16 Cr + 2 Nb / 1 Kh 16 S2 M B	-	-	-	-	-	-	-	•		-	-	-	•	-	322-0490
16 Cr + 1 Si + 0.6 Al / Kh 16 S Yu	•	•	•	•	•	•	•	•	-	-	•	•	•	•	322-0936
	•	•	•	•	•	•	•	•	- •	•	•	•	•	•	J22 UJJU
17 Cr	•	•	•	•		•	•	•		•	•	•		•	322-0402
17 Cr / Kh 17	•	•	•	•			•	•		•			•	•	322-0890
(17-50) Cr							•	•							322-1226
17 Cr + 1 A1 / Kh 18 S Yu (EI 484)															322-0934

															Material Number
17 $Cr + + 13 Ni + (0-9) A1$															322-0904
17 Cr + 10 Mn / 1 Kh 17 A G 10	•	•	•	•	•	•	•	•	• •	•	•	•	•	•	322-1011
17 Cr + 2 Ni	•	•	•	•	•	•	•	•	• •	•	•	•	•	•	
17 Cr + 2 Ni 17 Cr + 2 Ni	•	•	•	•	•	•	•	•	• •	٠	•	•	•	•	322-0959
	•	•	•	•	•	٠	•	•	• •	•	•	•	•	•	322-0958
17 Cr + 2 Ni / Kh 17 N2	•	•	•	•	•	•	•	•		•	•	•	•	•	322-0790
17 Cr + 4 Ni / 0 Kh 17 N4	•	•	•	•	•	•	•	•		•	•	٠	•	•	322-0687
17 Cr + 7 Ni / 0 Kh 17 N7 Yu	•	•	•	•	•	•	•			•	•	•	•	•	322-0735
17  Cr + 7  Ni + 0.6  Al			•		•		•			•		•	•	•	322-0754
17 Cr + 10 Ni / 1 Kh 17 N 10 T	•				•										322-0957
17 Cr + 11 Ni															322-0872
17 Cr + 16 Ni / 0 Kh 17 N16															322-0907
17 Cr + 16 Ni + 3 Mo / 0 Kh 17 N16 M3 T															322-0884
(17-50) Cr + Ni + Mn	•	-	•		-	-	•	•		•	•	•	•	•	322-0806
	•	٠	٠	•	•	•	•	•	•	•	٠	•	•	•	022 0000
18 Cr + 1 C / 9 Kh 18	•	•	•		•			•		•	•	•	•		322-0906
18 Cr + 9 Ni / 1 Kh 18 N9															322-0789
18 Cr + 8 Mn / 0 Kh 18 G8 N2 T															322-0966
18 Cr + 0.5 Mo / 11 Kh 18 M															322-1062
18 Cr + 3 Ni															322-0960
18 Cr + 3 Ni	•	-	-	•	•		•			-	•	Ī	-		322-0962
18 Cr + 8 i	•	٠	•	•	•	٠	•	•	•	•	٠	•	٠	•	322-1147
18 Cr + 8 Ni / 18-8	•	•	•	•	•	•	•	•	• •	•	•	•	•	•	322-0001
18 Cr + 9 Ni / 2 Kh 18 N9 S	•	•	•	•	•	•	•	•	• •	•	•	•	•	•	
	•	•	•	•	•	•	•	•	• •	•	•	•	•	•	322-0991
18 Cr + 9 Ni / 1 Kh 18 N9	•	•	•	•	•	•	•	•	• •	•	•	•	•	•	322-0789
18 Cr + 9 Ni + 2 Mo / EI 783	•	•	•	•	•	•	•	•	• •	•	•	•	•	•	322-0728
18 Cr + 10 Ni	•	•	•	٠	•	•	•	•		•	•	•	•	•	322-1018
18 Cr + 10 Ni	•	•	•	•	•	•	٠	•		•	•	•	•	•	322-1019
18 Cr + 10 Ni		•		•		•	•					•	•	•	322-1020
18 Cr + 10 Ni		•	•	•	•	•				•	•	•	•		322-1021
18 Cr + 10 Ni / Kh 18 N9 L		•					•								322-1017
18 Cr + 10 Ni / Kh 18 N10 T															322-1025
18 Cr + 10 Ni / 12 Kh 18 N10 T															322-1134
18 Cr + 10 Ni / 1 Kh 18 N10 T															322-0670
18 Cr + 11 Ni / EI 849	٠														322-0871
18 Cr + 12 Ni + 4 Si / EI 854	·	•	•	•	•	•	•			•	•	•	•		322-1009
18 Cr + 13 Ni + 2 Mn / EI 718	•	•	•	•	•	•	•	•	• •	•	•	•	•	•	322-0486
18 Cr + 25 Ni / Kh 18 N25	•	•	•	•	•	•	•	•	• •	•	•	•	•	•	355-0290
18 Cr + 25 Ni + 2 Si / Kh 18 N25 S2 (E	• •			•	•	٠	•	•	• •	•	•	•	•	•	355-0290
	IE	33	,		•	•			• •				•	•	
18 Cr + 25 Ni + 3 Si	٠	•	•	•	•	•	•	•		•	•	•	•	•	355-0208
18 Cr + 1 Ti / Kh 18 M T F	٠	•	•	•	•	•	•	•	• •	•	•	•	•	•	322-0891
19 Cr + 8 Ni	_						_					_	_	_	322-0312
19 Cr + 9 Ni	•	٠												-	322-0129
19 Cr + 9 Ni / EI 606									• •						322-0123
19 Cr + 10 Ni / 1 Kh 18 N9 T	_	-	-	-	-	-	-	-	-	_	_	_	-	-	322-0011
19 Cr + 10 Ni / 1 kh 18 N9 1 19 Cr + 10 Ni + 1 Mo / EI 572	•	•	•	•	•	•	•	•		•	•	•	•	•	322-0052
· · · · · · · · · · · · · · · · · · ·	•	•	•	•	•	٠	•	•	• •	•	•	•	•	٠	
19 Cr + 16 Ni	•	•	•	•	•	•	•	•	• •	•	٠	٠	•	•	322-1279
20 Cr	_										_	_	_		322-0150
20 Cr + 20 A1		•	_	-	-	-	-	-		-	-	-		-	304-0116
	•	•	•	•	_	•	•	•	- •	-	•	-	-	-	

		Material Number
20 Cr + 10 Ni / Kh 20 N10 20 Cr + 25 Ni		322-0805 355-0505
21 Cr 21 Cr + 8 Mn + 6 Ni / Kh 21 G7 A N5 21 Cr + 5 Ni / 1 Kh 21 N5 T 21 Cr + 12 Ni + 2 Si / Kh 20 N12 S2 (EI 21 Cr + 16 Ni + 8 Mn / 000 Kh 21 N16 A (21 Cr + 1 Si / Kh 21 L		322-0403 322-0723 322-0970 322-0696 322-1186 322-0808
22 Cr + 1 Ce 22 Cr + 1.0 Si 22 Cr + 20 Ni / Kh 22 N20		322-0809 322-0914 322-0734
23 Cr 23 Cr + 3 Al / 3 Kh 23 Yu3 L 23 Cr + 3 Al 23 Cr + 13 Ni / Kh 23 N13 23 Cr + 18 Ni / Kh 23 N18 23 Cr + 18 Ni / Kh 23 N18 Ms B 23 Cr + 18 Ni / Kh 23 N18 Ms B 23 Cr + 18 Ni / Kh 23 N18 K B 23 Cr + 18 Ni / Kh 23 N18 Ms Ts 23 Cr + 28 Ni + 3 Cu / 0 Kh 23 N28 M3 Day	3 T (EI 943)	322-1347 322-1393 322-1394 322-0983 322-0736 322-0982 322-0980 322-0981 355-0522
24 Cr 25 Cr / Kh 25 (25-50) Cr 25 Cr + 16 Ni + 6 Mn / Kh 25 N16 G7 A R 25 Cr + 12 Ni / Kh 25 N12 A R 25 Cr + 1 Si / Kh 25 T	(EI 835)	322-0404 322-0965 322-0167 322-0926 322-0785 322-0972
26 Cr 26 Cr + 0.5 A1		322-0675 322-0170
27 Cr 27 Cr + 5 A1 / 0 Kh 27 Yu 5 A (EI 626) 28 Cr		322-0175 322-0912 322-0928
29 Cr		322-0181
30 Cr 30 Cr / Zh 27 30 Cr + 0.6 Al		322-0787 322-0556 322-0182
31 Cr + 0.6 Al 32 Cr + 20 Al		322-0184 322-0909
(33-35) Cr 33 Cr + 20 Co (33-35) Cr + (0-5) Si		322-0823 322-1221 322-0822
35 Cr		322-1227

																		Material Number
36 Cr + 16 Co 36 Cr			•	•	•	:	•		•	:	:		•		•		•	322-1220 322-1222
37 Cr + 0.7 Al 38 Cr													:					322-0189 322-1356
40 Cr 40 Cr + 20 A1			•		•								•	•				322-1223 322-1421
42 Cr																		322-0207
43 Cr + 15 Al 43 Cr			•		•								•	•				322-1420 322-1224
45 Cr + 0.9 A1 47 Cr + 5 A1 48 Cr			•	•	•	•	:	•	•	•	•	•	•	•	•	•		322-0211 322-1419 322-1225
Cr Cr + Ni			•		•	•		:	•	•	•	•	-	•	•	•	•	322-0394 322-0002
	XIII.	YUGOSLAVIA	M :	STA	AIN	IL I	SSS	<b>S</b> S	STE	EL	.S							
13 Cr + 2 Mo 13 Cr + 3 Mo 13 Cr + 3 Mo + 3 Ni				•														322-1647 322-1648 322-1650
14 Cr + 4 Ni + 3 Mo																		322-1649
18 Cr + (1-21) Ni 18 Cr + 5 Ni 18 Cr + 5 Ni 18 Cr + 10 Ni 18 Cr + 10 Ni										•				•			•	322-0903 322-1633 322-1632 322-1631

PART B
TECHNICAL CODING

## SEARCH PARAMETERS

(ORDERED BY MATERIAL NUMBER)

TECHNICAL CODING
SEARCH FARAMETERS ORDERED BY MATERIAL NUMBER

								 	2						
Property	Material Number	Phys. State	Subject	Temperature	Language	TPRC/EPIC Accession Number	Tear	Property	Material Number	Phys. State	Subject	Tenperature	-Bendue-	TPRC/EPIC Accession Number	Tear
ER	304-6387	L	ε	н	R	E161934	1976	N	322-0011	5	C.	F	E	T080643	1975
ER Ek Ef	364-6387 384-6387 384-6387	S L S	C	H	£ É	E101934 E111935 E101935	1970 1970 1970	A	322-0014	5	٥	N	R	T619174	1960
F	344-6687	ĭ	č	н	Ř	1066522	1972	A	322-0018	\$	0	N	٤	T040217	1966
ER Er	364-6116 364-6116	7 7	C S	H	R	E131934 E181934	1970 1970	A	322-0052 322-3052	<u>s</u> 5	0		R	TC00C65	1956 1551
En	364-6116	ī	č	H	Ě	E101935	1976	Ä	322-6052	S	ũ	Ń	R	TG08861	1958
£κ	364-6116	5	٤	н	É	E1 61935	1970	A	322-00.2	2	ũ		E	1609992	1956
	224 4445	_			,	****		A	322-0052	\$	Ŀ	N	Α.	TC 15280	1957
A	320-0022	s	0		فأ	1008319	1936	A	322-0052 322-0052	S	5	N	£	TL15565 TC19:74	1955 1960
4	370-6089	S	C	N	5	T035576	1365	2	322-0052	ĭ	C	N	R	TC 22 E 73	1959
4	326-6383	S	E	N	Ε	TC46.15	1966	A	322-0052	L	C	N	E	T622674	1966
É	326-6394	•	0	N	J	Tu556.6	1969	L L	322-0052 322-0052	<u> </u>	C	N	R R	T023641 Tu31195	1958 1955
ε	32û-0095	5	0	N	J	Tu556.6	1969	4	322-0052 322-0052	Ş S	C C	N	a E	TC 35485 TC 38626	1965 1965
					-			Ā	322-0052	3	ε	N	Æ	1644485	1966
£	326-0096	S	C	N	J	T055626	19€9	4	322-0052	S	Ξ	L	£	TC 452 47	1967
E	320-6097	s	G	N	J	T055636	1969	A	322-2052 322-6052	Š	5	H	t R	1646599 7647932	1966 1961
				••	-		,	Ā	322-0052	Š	ĭ	N	R	1.53276	1968
€	320-0039	S	C	N	J	1055666	1969	A	322-0052	S	0	N	R	1053276	1568
ē	320-0131	s	c	ĸ	J	73556.6	1969	A	322-0052 322-0352	S S	î	N	e E	T153488 T053903	1968 1968
-	••• •••	•	•		•	,,,,,,	• • • •	Ā	322-0052	Š	Ť	N	Ē	1153919	1968
E	320-C13b	S	٥	N	J	1075038	1973	4	322-9952	5	C	N	E	T053519	1968
4	322-1061	s	E		F	T0.6744	1936	A	322-3052 322-3352	S	0	N	Ř	T657992 T659832	1969 1968
Ā	322-6001	š	č		E	T017395	1949	Ã	322-4052	5	٤	N	Ē	1655613	1968
-	322-1101	ŝ	Č	N	F	1014276	1936		322-3552	5	Ē	E.		1663265	1971
É	322-1361	\$	C	L	J	- 010067	1540	A	322-0052	5	Э	N	E	T066146	1972
4	322-6011	5	Ç	N	.2	1024469	1961	A	302-0152	5	٤	L	Ē	TCE8703	1971
ند د	322-1301 322-(301	S	Ĺ	N	ž	TG27623 TG37822	1963 1963	A A	322-0052 322-0052	S	0	N	É	TC69823 Tü76436	1969 1973
4	322-0161	š	č	N	Ē	1672469	1972	į.	322-6552	š	ŏ	ï	ą	1:74599	1973
4	324-1331	5	Ü	L	Ę	1072382	1573	4	322-1052	3	C	L	Ċ	1674662	1973
E A	322-0341	š	Č	L N	É	T390438 T399442	1578 1963	A	322-3052 322-3352	S F	Ĉ	N	٤	TL85.56	1973
45	322-6301	ĭ	č	h	J	£195542	1975	2	322-0652	F	ŭ	N	Æ	1005.86 1452146	1976 1576
2.3	322-0331	7	ĩ	N	٤	£119617	1977	C	322-0052	5	J	н	Ŕ	T ( 44755	1964
ť	322-0301	5	Ç	ri .	Ğ	1062755	1971	Ę	322-0652	Ş	C	N	R	7053455	1968
ŧ Ġ	322-1301 322-1311	Š	C	N	ė.	T100310 T031257	1979	C C	122-0052 322-0052	S S	G	N	£	T£5393 <b>3</b> T064659	1966 1971
Ġ	322-0301	Š	Č	N	1	T353498	1568	Č	322-0652	Š	Ö	N	Ē	T664660	1971
	3 - 2 - 6 5 4 1	ā	٤	Ł	ζ	2123103	1978	E	322-0052	S	Ċ	N	F	TG7C436	1973
<b>P</b> S	322-6311	3	C	L	Ť.	E1231e3	1976	C	322-0052	5	Ε	H	R	TC70436	1973
N	322-1301 322-1311	2 2	5	N	e J	TC 42 965 TO 53 747	1953	[ [	322-0052 322-0052	5	0	į	R	1674599 1674600	1573 1973
N	322-0301	Š	č	N	£	T058235	1969	C	322-0052	Š	Ď	н	٤	T( 55.56	1973
N	322-6361	ŝ	٤	N	₹	T062521	1962	č	322-0052	Š	Č	N	Ē	TL 65.56	1973
*1	322-4351	S	ŗ	N	ř.	T0005.2	1464	E	312-3052	5	ن	N	R	7617656	1959
~	322-0141 322-0111	3	í G	N N	Ē	7331175 1311104	1976	£ E	322-0052 322-0052	<u>\$</u> S	C	N N	Ę	TU19328 TU21243	1959
À	322-1.01	-	ĉ	N	Ē	1323371	1547 1955	Ē	322-3052	5	5	N	Ę	TC27827	1959 19 <b>59</b>
£	322-0301	5	T	L	ŧ	** : · · ·	1963	Ē	322-0052	٤	ũ	N	Ř	1030-45	1971
6	322-0101	÷	C	Ļ	Ē	10/01/95	11.55	٤	322-2052	\$	Ĺ	L	É	TC42-17	1967
ę k	321-0.71 327-0361	,	C	F.		7030124 7030122	19.2 1982	€ E	322-3052	5 5	ů S	L N	R	7.47:48	1967
	321-0001	7	έ	,	j	EB 95542	1975	£	322-4452 322-0052	S	Ď	N	È	TL 53488 TL 53563	15f8 1568
N.	322-0001	ī	č	N	Ĕ	£119e17	1977	Ē	322-0052	ີ່	Č.	N	Ř	TE5842.	1966
	*** *		-			•		£	322-6052	5	٥	N	R	Tin4-59	1971
Ã	322-0062 322-0302	Š	ن		ni t	1005250	1955 1942	E E	322-0052 322-0052	5 5	Ü	N	Ė.	TG 64466 TG 64727	1971
L	321-1302	š	ì		•	Toudese	1934	Ē	322-0052	5	٥	N	Ē	1[-4-28	1971
*	322-6302	\$	1	N	:	TCIFLLE	1960	E	372-0052	5	ŧ,	N	F	T. ++ . 73	1971
A A	322-6362	Ş	č	N	*	70.1.12	1959	Į.	322-0652	٤	C	L	Ę	7074 34	1973
,	322-6362 322-6362	S	C	H	Ġ	10234.7 1033245	1959 1949	ĘΡ	322-0352 322-0652	<b>5</b>	t.	L	ŧ	Tu 74633 Fl 66463	1973
		-	•				• • • •	10	322-0052	5	Ü	ĥ	â	1666403	1974
A	322-0313	5	C		<b>E</b> .	I. Jores	1558	EP.	322-1652	2	٥	N	E	1 ( 65461	1974
H	322-0013 321-0014	2	ť	H	ť	T. 244₹ TC+2464	1964 1964	€ P	322-0092 322-0092	<u>د</u> 2	Ü	N.	ŗ	8000401 8053148	1974
Ä	322-6314	5	ì	F	٤	10:0143	1875	L R	322-3052	\$	ċ	N	Ē	1693109	1951 1572
								Ł R	322-0052	f	C	N	E	5554013	1977
A N	327-6311 327-6311	5 S	Ĺ	н	ĸ	1066261	1508 1564	£ K G	3,2+0052 322+0052	F	0	N	E	6.108 3 <sub>1</sub>	1977
Ñ	322-6311	5	ò	н	î	TC 1/24 14	1964	Ğ	322-0052	Š	Ü	N	Ē	TL38139 TL38613	1466

TECHNICAL CODING
SEARCH PARAMETERS ORDERED BY MATERIAL NUMBER

					:	SEARCH PARA	METERS	ordered by mat	ERIAL NUMBE	R					
				ě						2		ž			
5	ī	Sta		3 5	8	23		5	~	State	u	2	2	5 <b>g</b>	
ě	2 5		ec	ě	80.5	3 8 8		Ē	77 5	3	ě	č	3	P : 5	
Property	Material Number	Plys. State	Subject	Temperature	-Senžu <b>e</b> rj	TPRC/EPIC Accession Number	Yeer	Property	Materia! Number	Phys.	Subject	Temperature	Language	TPRC/EPIC Accession Number	Tear
G	322-0052			N	- -							-			
ί	322-0052	ن د	£	N	i	Tú39236 T041663	1966	A A	322-0112 322-0112	5	G		E	TC06247 TC09251	1936 1946
G	322-6352	Š	ĩ	٨	ç	1041681	1966	. 2	322-0112	š	ç	N	Ē	7611299	1953
G	322-0352	S	C	N	4	Tu50002	1568	4	322-0112	\$	Č	N	£	1.151.45	1939
Ģ	322-6352	S	Ĺ	N	ć	T050521	1566	4	322-6112	5	C	N	E	TC40268	1938
٥	322-1152	Ş	Ū.	н	Ŕ	1003497	1974		322-0112	S	D	N	E	1042776	1967
G C	322-1352 322-6 <b>3</b> 52	S	Ĺ	N H	£	T28,497 T602650	1974 1974	A E	322-0112	<b>5</b> 5	C	N	£	1049745	1966
Ğ	322-1352	Š	ن	14	ě	Tú 52 254	1974	•	322-0112	3	G	L	£	1933173	1952
1	322-0052	S	C	N	Ř	T043744	1962	A	322-0120	2	C		I	T036752	1951
1	322-1352	5	C	N	5	T040745	1965	A	322-0120	5	T		1	T056752	1951
N	322-6052	Ş	5	Н	£	1052493	1964	Ą	322-0120	3	D		E	1669376	1942
N	322-0352	Ş	C	H	E	TC52494	1564	*	322-6121	5	0	N	€	TC 25424	1959
N N	322-0152 322-0152	S S	ũ	h	R	7058266 Tüsy796	1666	A E	322-0126 322-0129	S	0	N	G	T[ 464.6 T[ 464.6	1965 1965
N	322-6352	Š	č	N	Ē	T059797	1966	Ň	322-5120	S	č	N	Ğ	1946406	1965
14	322-6952	s	Č	N	Ř	T059c22	1568	Ř	322-0125	5	ō		Ĕ	1603735	1947
N	322-6152	S	C	N	€	T0596.3	1560	Ŕ	322-0120	S	0	N	Ε	7624435	1953
N	322-6352	S	C	N	Ę	T084942	1976	_							
N N	322-1352 322-1352	s s	0	H	Â E	T084942	1976	A	322-0129	\$	C	N	R	T 0 25154	1557
N	322-0352	S	C	n N	E	TG92339 TG92339	1976 1976	A	322-0147	\$	D		G	T006719	1938
Ŕ	322-6152	s	٤	N	Ā	T023267	1958	•	322-0147	2	u		u	1000/13	7 33 0
<b>hF</b>	322-0352	š	ō	н	R	E066460	1974	A	322-3149	S	0		Ε	1000186	1954
hF	322-6352	S	Đ	N	R	£066468	1974	**		-	_		_		
ĦF	322-6352	\$	ε	н	Ε	E065461	1974	A	322-0150	S	T		I	TCC6752	1951
<b>F</b>	322-6352	S	ε	N	E	E066461	1974	Ą	322-0156	S	6		1	1006752	1951
	722-1577	c	G		G	76:4740	4 6 7 0	Ę	322-0150	2	7	N	R	7635€15	1965
4	322-6377	S	U		•	T0:6719	1938	E E	322-0150 322-0150	\$ <u>\$</u>	0	N	Ŕ	TC 35615 TC 39718	1965 1965
4	322-0378	S	G	N	4	TC16291	1925	È	322-0156	š	Ť	Ň	Ĕ	T039718	1965
63	322-1378	Š	C	N	ā	EG ,5436	1975	-		-	•		-		••••
45	322-Cû78	S	C	N	£	2095437	1975	A	322-0154	S	C		G	T005319	1936
CÇ	322-6378	S	٤	N	5	E09543E	1975	_		_	_		_		
£C F	322-0178	S	Č	7.	Ē	E095437	1975	Ą	322-0156	S	C		Ğ	T0C6719	1936
É	322-1978 322-1373	Ŀ	٦ 2	+	Ř	T002454 T0+5576	1947 1967	4	322-0156	S	Đ		G	T698319	1936
F	322-()78	ō	č	'n	Ŕ	T045576	1967	Ę.	322-0157	s	ε		I	TLG6523	1952
н	322-6376	Š	Č	PE	٤	T081232	1975	•		-	•		•		• • • • • • • • • • • • • • • • • • • •
н	322-6375	S	Ū	N	À	TC81756	1975	A	322-0158	\$	C		Ε	T001927	1947
N	322-6376	S	£	N	=	T057664	1924				_		_		
FP	322-6178	S	C	N	R	E095436	1975	A	322-0162	5	0		Ε	TOGG.86	1954
FP R	322-0175 322-0178	S	0	N	£	E095437	1975	£	722.0467	-	T		1	T006752	1951
ĥΙ	322-6373	s	Č	N	ĸ	TC:04463 E0:95436	1947 1975	1	322-0163 322-0163	5 5	ċ		Ì	1666752	1951
R L	322-0076	Š	٥	N	Ē	E095437	1975		022-0200	-	٠		•		• • • •
								A	322-6166	S	C		Ü	TCC8319	1936
A	322-0380	5	C		G	T008319	193€								
	700 : 344	_			_			F	322-0167	L	Ç		R	TG03386	1947
A A	322-6386 322-6386	S	5		Ģ	T006719 T008319	1938	4	722-2460		E		E	1609376	1942
•	322-0386	•	u				1936	4	322-0169 322-0169	S S	Ę	N	j	1699799	1575
£	322-0087	S	G		ū	T000319	1936		322-0169	Š	ō	ũ	Ĵ	T0 997 99	1979
								•		•	-	_	-		
A	322-6088	S	£		ű	1008319	1536	F	322-0170	L	D		R	TQC3366	1947
A	322-0191		,	N		*****			777	_	_		_	*****	
Д	255-0147	S	Ċ	N	ن	T016363	1953	A	322-6173	٤	C		Ģ	TCG6719	1938
4	322-1393	s	G		É	1005247	1936	Ē	322-0173 322-0173	S S	0		E	T039369 T069369	1941
À	322-1393	Š	Ğ		Ē	T0.3351	1546	-		•	-		-	100,007	.,,,
Δ	322-0193	5	Ċ	N	Ε	T011359	1353	A	322-0175	2	0		E	TC09376	1942
÷	355-0093	5	C	н	£	T015645	1939	A	322-0175	5	ũ	N	Ε	T098162	1974
4	322-1093	2	C	N	٤	Tű 4ú 268	1536	Ē	322-0175	S	£	N	É	TC98162	1978
,	222-012	e		N	-	7011057		€	322-0175	ž	Ď	N	E	Tu9#162	1978
C	322-0394	5	G	N	F	7031957	1 958	MP MP	322-J175 322-0175	S	£	N	R E	E107556 E123638	1977 1977
L	322-6396	s	Ţ		I	7036752	1951	N N	322-0175	5	č	N	Ę	T098162	1578
Ž.	322-0096	Š	ċ		:	1005752	1951	Ä	322-0175	ũ	ŏ	••	Ē	1604463	1947
A	322-L396	S	C	N	ü	Tulodia	1929				-				
MF	322-0096	š	Ç	N	ĸ	£107556	1977	A	322-0160	S	C		G	TC06319	1936
۲P	322-0096	5	Ľ	N	٤	£123638	1977			_	_		_		
4	322-0199		C			7001600	1951	MP MP	322-0181 322-0181	\$	0	N	R E	E107558 E123638	1577
۵	355-0944	<b>S</b>	Č	N	K K	T001646 T0/4668	1935	nr 8	322-0181	S	r.	N	E	1804463	1977
7	322-6399	2	č	Ñ	î	1005646	1572	τ.	9401	•	•		٠		
£ R	327-6199	Š	c	N	4	0053146	1951	F	322-0182	L	0		R	T003386	1947
ĒΚ	255-1044	۵	τ	N	٤	0093119	1572	_			_			_	_
	1222111	-	•			70 . 200		F	322-0184	L	Đ		N	16635.55	1947
Â	322-6110 322-3110	S	C		٠	7025719 7035519	1538 1936	r	322-0169	Ĺ	D		i,	TU03366	1447
-		,	•		•	1647247	7 496	•	366-8104		U		-		1941

TECHNICAL CODING SEARCH PARAMETERS OPBURED BY MATERIAL NUMBER

						Straum raki	MELEKS OF	ואת זמ בבצים	ERIAL NUMBE	,K					
		State		e io		<b>് ദ</b>						Ě		பும்	
Property	Katerie: Number	š	-	Temperatu	Lenguage	51C		Property	Materia. Number	35		Imperat	ž	1.P1C	
Ě	7 5	Ŀ	ĕ	ě	2	7 2 2		ž	7.5	3	í	÷	•		
5	<u>ដ</u> ផ្ន	Phys.	Subject	á	ŝ	TPPU/EPI Accessio Number	7657	ž.	<u> </u>		Subje	Ë	Jeryneke		7.
ـَم	x2 z	=	ū	F	.3	F₹≨	ž	Ĩ.	£ 2	2	ý	÷	.3	£ ¥ }	Ĕ
F	322-6211	Ł	C		2	T013386	1947	4	522-0421	5	,	N	G	1124469	1961
	••••	-	-		•	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	224.	Ñ	322-1421	Š	ċ	н	τ	1646645	1550
Δ	322-6213	S	С	N	Ε	T011399	1953	ë	322-3421	Š	ò	н	È	1.131.0	1945
	322-62:3	S	ī	N	E	1025045	1952			-	•		-		
A	322-0213	S	C	H	E	T015.45	1952	L	322-0423	5	C		G	1624469	1561
								N	322-4423	5	C	*	£	1646845	1550
A	322-6234	S	C	*	J	T0:0366	193€								
ε	322-6234	>	C	N	J	T0:636E	1936	A	322-0476	S	0	N	G	1024469	1961
4	322-1236	S	C	H	R	TG25154	1957	4	322-0486	S	٥	N		1623641	1956
A	322-,230	2	Ĺ	N	Ř	T031199	1955								
Ł	322-6236	s	٤	14	Â	7617356	1955	E	322-0490	5	Ĺ	N	R	1624539	1961
£	322-0236	S	C	N	£	1021246	1959	£	322-6490	S	0	N	٤	1625344	1961
A	300 ( ) 3		_		-			Ę	3 < 2 - 3490	S	٥	ĸ	=	7.35t15	1965
A	322-0247	S	C	N	Æ	T016449	1936	E	322-496	S	Ţ	N	R	1035615	1565
A	722-0269	_	С		-	7044460		٤	332-0496	S	ľ	N	•	7659726	1965
ž	322-0248	Ş	Ē	N	Ę	TG11399	1953	£	322-3446	S	C	N	٤	7639714	1965
Ã	322-0248 322-0248	S	1	N	E	TG25345 TG25445	1952		777-2405		-		_	******	4077
-	322-0240	3	•	171	ć.	1027047	1952	Ŕ	322-2495	S	C	N	G	1623376	1933
4	322-0265	5	٤	14	Ģ	1016074	1960	Δ	322-0-12	s		н	Ę	7 ( 4 7 - 7 5	1 -59
-	026-6607	-	-		٠	1010074	1 100	Ĩ.	322-0512	5	ũ	N	ę	7617035	1955
Δ	322-1345	s	С	N	J	T0:4163	1538	Ã	322-0512	٤	ξ	Ä	à	T031195 T143552	1554
-	022-0307	•	•		•	1014103	1330	-	322-0512	Š	Ü	N	ě	1643592	1554
į.	322-0306	S	C	N	J	T014163	1536		322-0512	Š	ā	N	£	1076732	1973
•		-	•	•••	•	.01.4.00	2,50	Ē	322-2512	\$	٥	N	Ē	1070732	1973
۵	322-2311	5	t	N	Ē	1020610	1964	Ē	322-,512	Š	Č	N	è	T017656	1959
Δ	322-6311	Š	ă	N	Ē	TG24107	1959	Ē	322-0512	Š	ū	N	Ė	1021247	1959
4	322-1311	S	č	N	Ğ	1024469	1961	Ē	322-5512	Ş	i	Ň	Ř	1624539	1961
٤	322-0311	s	Č	N	Ε	T020618	1364	É	322-3512	Š	Ĺ	N	Ę	T2 25349	1961
E	322-6311	S	ε	N	£	1524167	1955	E	322-0512	S	C	H	Ē	1626428	1961
								ε	322-0512	s	С		ĸ	1635615	1965
۵	322-0312	S	ũ	h	æ	T016260	1535	E	322-0512	S	T	N	ç	TC35615	1965
E	322-0312	S	۲	H	Ř	T61626C	1935	£	322-0512	5	T	N	Ε	TC39716	1565
								E	322-0512	5	C	p.j	£	7639718	1965
Ε	322-6344	s	Ĉ	N	F	T0:6989	1951	£	322-0512	5	٥	N	Ε	1.70722	1973
								HH.	322-0512	\$	С	N	R	£682383	1973
Δ	322-0362	S	С		3	1018319	1936	Æ	322-0512	S	٥	N	Ε	TC26263	1963
N	322-1362	S	Ċ	N	E	T057664	1924		322-0512	5	U	N	i.	11.25.69	1963
Δ	322-6366	S	C	N	J	T023643	1935	4	322-0521	S	C	N	R	TL27151	1962
								Δ	322-0521	\$	ũ	N	Ē	T 4 3 2 5 7 3	1962
4	322-6367	á	Ü	N	J	T3.3643	1935	N	322-0521	\$	0	H	£	T352493	1964
								N	322-0521	5	C	н	£	Tu52494	1964
4	322-6371	S	C	н	٠	70.7966	1962								
r	322-0371	3	Ţ	۲	62	T0.7563	1965	A	322-0534	Ş	9	М	G	TC 28 £ 45	1930
G	322-0371	S	C	N	Ç.	10 3500	1977			_	_		_		
Мн	3-2-1371	5	ć	N	J	61.5146	1976	4	322-0535	S	С	N	G	TC 28 695	1538
		_								_	_		_		
<i>f</i>	322-6394	S	(		٤	1025256	1942	A	322-0536	S	С	N	G	1028695	1930
4	3_2-(394	Š	1	N	Ā	T016441 T0212F2	1950				,		_	T	
۵	322-1394 321-1394	Ş	E	N	Ē	10.3457	1959	A	322-3537	5	L	N	G	TC 28 € 95	1930
Ē	322-6394	5	Ť	Ą	E	10:3441		Δ	322-0542	S	٥	N	ξ	T027600	1962
É	322-6344	š	'n	ì	É	TC. 3369	1996 1976	Ē	322-0542	S	0	N	£	T027699 T027699	1962
F	3.2-1344		ί	н	ī	10.3369	1947	· ·	255-6345	-	U	"	E	146/577	1 405
N	322-6394	7	ί	N	Ě	T343335	1954	A	322-6547	S	a	N	Ε	T611399	1953
	4074	•	٠	••				- î	322-0547	5	7	N	٤	7025045	1952
4	322-1-01	s	Ĺ	N	U	T015224	1929	<u> </u>	322-0547	5	ċ	Ñ	Ę	TC 25045	1952
7	322-0401	S	Č	N	j	T0:6291	1925	_	322 9741	-		-		10 60 640	1774
t	322-6401	š	i	H	ŧ	10 27 754	1976	A	322-0556	S	J			TL 01124	1954
È	322-(-61	š	ñ	N		T0.5754	1976	Δ	322-4556	Š	Ď	н	ų.	7062347	1969
-		•	•		-			î	322-0546	Š	ز	H	Ř	1062347	1569
A	322-6442	s	С	N	5	TC16224	1929	Ĕ	322-1556	š	Ď	•	ĥ	T071124	1954
717	3.2-1.02	Š	Ĺ	N	á	81.7558	1977	È	322-0556	ĩ	č	h	ŝ	Titled	1970
MH	322-5-62	Š	č	N	E	£1:3:36	1577	ė.	322-0556	ī	ü	H	Ε	1264645	1971
		-	-					F	322-2556	ī	Ē	H	Ř	T. 06804	1971
	322-6443	S	£		G	T0.8319	1926			-	-				
£	322-1403	2	C	N	ċ	T1126224	1929	A	322-6561	S	Đ	N	K	TG 31195	1955
h k	322463	S	C	#1	Â	1117998	1977	£	322-0561	5	Ú	N	R	1019128	1955
H-	322-0403	S	C	H	ί	€\$£3€3 <b>6</b>	1577	ŧ	322-0561	5	:	N	R	1024234	1961
								E	322-0561	٤	С	N	E	1.25343	1961
4	3-2-0-64	2	C	N	٠	1016554	1929	E	322+2161	5	C	N	F	T027827	1959
MF	322-6464	2	Ĺ	N	F	1 6	1977	Ę	3/2-2501	5	C	N	i.	1136115	1565
MP	327-1404	7		N.	L	11 11 n	1977	£.	3 0461	5	Ţ	N		1035615	1545
M?	3		r	į.		1107274	1976		3.2-2561	\$	Ŀ	N	ŧ	1:39710	1965
M2	322-(484	s	C	L	ŧ	t.1 4:1	1976	•	355-0561	5	Ţ	N	Ł	1039716	1965
	11120010		,	<b>k</b> .		10			100-100		_		_	• • • • • •	
N	322-0419	3	C	N	ě	10.4419	1911	A .	322-3568	5	0	N	Ę	1025154	1957
	2-5-(-13	>	u	N	£	1040845	1940								

TECHNICAL CODING
SEARCH PARAMETE S OFFEPED BY MATERIAL NUMBER

						SEARCH PAR/	VMETE S OF	EDEPED BY MA	TERIAL NUMBE	R					
Property	Material Number	Phys. State	Subject	Temperature	Language	TFRC/EP1C Accession Number	Year	Property	Material Number	Phys. State	Subject	Temperature	Language	TPRC/EPIC Accession Number	<b>1</b>
£	322-6569	s	ί	н	Þ	T025154	1917	1	322-0715	5	٥	н	E	T642814	1965
4	362-1644	Ś	C	N	R	1025154	1957	A	322-0723	E	ε	N		Tu54143	1967
E	322-6662	۵	ε	L	£	T650419	1616	T T	322-0723 322-0723	<u>د</u>	0	N	9	Tuff271 Tu74139	1571 1971
Ğ	322-(662	Š	ī	N	F	T0/2581	1970	Ē	322-0723	5	۲	Ë	Ē	1042517	1967
£	322-6569	s	C	14	į.	T0 15 615	1965	€ €	322-3723 3 <sub>4</sub> 2-3723	5 \$	0	L N	e e	1047148 1096505	1967 1973
ī	322-0669	š	Ť	N	R	1035615	1965	Ă	322-0723	Š	ε	N	ē	1.59796	1568
É	322-6669 322-6654	Š	T G	N	£ E	FG 59718 FJ 39718	1965 1965	N	322-3723	5	O	N	٤	7059797	1568
	322-0-53	•		14	_		1367	A	322-0724	٤	C	N	G	1665182	1972
i A	322-6670 322-6670	خ	E G	L	R	T145420 T053519	1967	C N	322-0724 322-0724	5 5	C	H	£	7646969 7654475	1967 1969
ĩ	322-6670	S S	Č	N	Ē	T053910	1968	•	322-0124	٤	U	-	£	1654475	1969
<b>A</b>	322-6670	ŝ	c	L	£	1361950	1967	4	322-0726	5	0	N	S	1635576	1965
ž A	322-667u 322-667u	S	C Ĉ	H	K A	7062347 1665271	1965 1971	Ĺ Å	322-0726 322-0726	S	G	h N	G €	1039977 1046015	1965 1966
A	322-0670	ŝ	υ	N	à	TS66318	1971	4	322-2726	S	G	N	Ĺ	T.46.16	1966
A L	322-0670 322-0670	S	C.	N	£ a	T357429	1971 1971	A A	322-0726 322 <b>-072</b> 6	S	C	N	S	7655824	1969
4	322-1073	S	Č	N	Ē	TG74135 TG74136	1971	í	322-3726	5	U E	N	G	7657454 7658976	1968 1976
4	322-6574	S	ε	N	ε	1074135	1971	C	322-0726	\$	C	N	C	7656172	1568
4	322-0670 322-067u	S	C	N	Ŕ	T074178 T074179	1973 1973	C	322-0726 322-0726	<b>5</b> 5	5	N	G	T054943 T055c24	1969 1969
7	322-0573	s	č	н	E	TC 74555	1973	Ĕ	322-0726	Š	ő	N	G	1057454	1968
C	322-673	Š	C	н	Ŕ	1062347	1969	C	322-6726	5	Ē	N	G	T058570	1970
F	322-6578 322-6676	Ĺ	C	H	ā Ř	T093437 T061068	1969 1970	E E	322-0726 322-0726	S	5	N	G	T055624 T058973	1965 1970
F	322-0673	Ĭ.	ε	н	ε	1062272	19t9	Ñ	322-3726	٤	D	N	Ģ	TE55824	1969
F	322-6572 322-6670	Ŀ	C O	H	E	TC 64:45 TO 06#84	1971 1971	N	322-3726	S	C	N	G	1658976	1570
Ġ	322-0670	S	٤		Ř	7235477	1971	A	322-0727	s	D	N	G	T&46358	1968
G	322-6573	S	C	н	R	T0+4552	1967			_	_				
G G	322-6673 322-6673	S	0	H	Ę	T045327 T053674	1967 1966		322-6728 322-0728	S	C	H	ě.	1052493 1656494	1964 1564
Ğ	322-0670	Š	٤	N	É	T053944	1968	••	342 3.20	-	•		•	,.,,	.,
Ċ	322-6673	ŝ	C	N	-	1071162	1973	4	322-6734	S	Ţ	N	Ę.	1153276	1968
Ğ H	322+1670 322-167 <b>0</b>	S	C	N	Ę	TC 83671 TC 32275	1975 1578	A A	322-1754 322-0734	S	Ĺ	N	Ř	T153376 T153319	1968 1968
H	322-6673	S	C	f4	Ē	TC 34219	1576	A	322-0734	S	C	N	Ε	1053519	1968
1	322-1070 322-6670	S	C C	N N	R %	T038477 T039363	1971 1968	<b>A</b>	322-0735	5	c	N	Ę	T053276	1968
MH	366-670	S	С	N	٠,	£134917	19/1	4	322-0735	\$	7	N	R	1453276	1968
r H	322-0673	s s	C	N	E	£1,4918	1971 1977	A 4	322-0735 322-0735	S S	7	N	E	T653919 T053919	1968
N	322-1670 322-0670	S	Ç	L	R R	TG 12304 TG 74135	19'1	•	322-0/39	2	U	"	E	1022273	1968
N	32 ¿+ Cn73	5	Ĺ	N	ε	10 74136	15'1	Ą	322-0736	5	Ţ	N	P	1053276	1968
N	322-6-70	s	ε	Ĺ	E	T0 77666	19/3	4 4	322-0736 322-0736	S	D	N	r E	1053276 1653919	1968 1968
4	322-6674	\$	٤	N	R	10 +13 96	19.6	A	322-5736	2	ε	N	E	1653919	1568
A E	322-6574	5	C C	16	Ę	76 -4.76	1956 1956	A N	322-0736 322-0736	S	0	ĸ	F	1075275	1573
t.	321-6574 322-6574	s s	Š	N	દે	TO +135€ TO+4276	1946	-		-	Ü			1675275	1973
N	322-6074	3	C	N	4	T341396	1966	N	322-0745	5	C	N	j	1053747	1968
N	322-6674	S	Ĺ	N	Ē	10-4276	1966	N	322-0745	\$	Ü	•	Ε	1658235	1965
4	322-6675	S	C	N	٥	10+7237	1567	N	322-6746	5	C	N	J	1653747	1968
PH PH	322 <b>-</b> 0675 322 <b>-</b> 0675	2	£	N	Ř	F117556 E113636	1977	R	322-0746	\$	C	н	£	1619724	1958
N	322-6075	3	č	N	Ē	1146395	1941	N	322-6747	S	0	N	J	7653747	1968
N	322-6675	5	C	N	Ş	1547237	1967	N	122-0744	2	0	N		1053747	4044
"	322-6675	š	·	~	ŧ	1657698	1946		322-0748	2	U	-	J	1493747	1968
N	322-1679	S	C	N	F	13-32-5	1962	£	322-0749	S	0	N	J	7855666	1969
<b>N</b>	322-6679	s	0	N	ć	T330043	1975	E	322-0750	s	C	N	Ŀ	T055606	1969
N	322-0087	š	Ç	N	q	T0 +5215	1967								
N	322-0537	5	C	N	E	TJ+8219	1967	£	322-4751	٤	C	N	J	1655666	1969
4	322-0696	s	τ	N	4	TO +2 477	1965	E	322-0752	\$	0	N	J	1055636	1565
A .	322-0596	S	C	14	4	1043552	1954		117, 1761	s				1065436	1010
A	322-6536	š	0	N	ĸ	1443797	1954	Ĺ	322-1753	•	0	H	J	105<636	1969
4	322-6709	š	C	N	É	TQ 32 343	1958	4	322-0756	S	c	H	£	1656780	1564
t	322-0714	š	ι	L	•	10+8753	1961	A t	322-0754 322-0754	5	3	2	£	1039329 10367#2	1964
								ŧ	322-6754	2	٥		-	1638364	1964
Ĺ	322-0715 322-0715	S	C	N	Ĺ	7070115 7048753	1572 19ft	N N	322-2754 322-0754	5	U L	N fr	Ę	10 lo/s. 1638324	1964
r.	366-0113	2	L	L	t.	1945/73	# 3 C C	-	366-0134	3	·	71	•	1000014	1264

TECHNICAL CODING
SEARCH PARAMETERS ORBEFELD BY MATERIAL NUMBER

					٠	LARCH TALA	BELIENO OIL	WELL DE LIME	CHIAL NUMBE	л.					
Property	Material Number	Phys. State	Subject	Temperature	Language	TFEC/EPIC Accession Number	<b>%</b> • • • • • • • • • • • • • • • • • • •	Property	Material Number	Phys. State	Subject	Temperatura	Language	TPRC/EPIC Accession Number	Tear
H	322-6754	\$	C	F	E	TD00E43	1975	Δ	322-0786	5	G	н	ı	1056675	1565
۵	322-1761	s	C	N	G	1035576	1965	C	322-0786 322-0786	2	Ω <b>C</b>	N	G	1655623 1064986	1969 1969
4	322-6761	š	ĭ	i	Ē	1046615	1966	É	322-0786	Š	٥	H	Ğ	1655623	1969
4	322-0762 322-0762	S S	<b>C</b>	N	ė E	T035576 T046315	1965 1966	MH PH	322-9787 322-3787	s s	0	N	P E	£107558 £123£38	1977 1977
Δ	322-6763	S	0	N	S	1035576	1965	<b>*</b>	322-0789	S	э	N	R	T036083	1963
4	322-6763	i S	0	N	£ .	T046.15	1965	E	322-0789	s	0	N	P	T438683	1963
7	322-6764	Š	č	Ñ	G E	T346315	1966	Ã	322-0790 322-0790	S S	0	N	R E	T054527 T063241	1969 1969
4	322-6765	e	С		s	T035576	1965	N N	322-3790	٤	D	N	R	TC68899	1971
Ã	322-3765	S	č	N N	Ē	T846115	1966	N	322-0790	C	C	N	-	1068199	1971
Δ	322-0766	s	С	N	6	T035576	1965	A	322-0796	\$	C.	N	Ģ	1058976	1970
2	322-6766	S	Č	H	ć	T346.15	1966	ŭ €	322-0796 322-0796	\$ \$	0	N N	G	7056973 7058973	1976 1976
		_						ĸ	322-6796	5	ū	N	G	1656570	1970
A L	322-0767 322-0767	S	C C	N	E	7035576 7046415	1965 1966	۵	322-0797	s	С	н	G	1058970	1570
-		•	•		-		1100		322-0797	Š	Ē	N	Ğ	T058970	1978
A	322-6768	S	c	N	٤	1035576	1965	Ε	322-3797	S	0	N	G	1056570	1978
4	322-0768	5	C	N	Ε	T046615	1966	N	322-0797	\$	O	N	Ġ	TC58570	1970
4	322-6769	S	۵	N	u	T035576	1965	4	322-0799	S	c	N	G	TL58970	1970
Δ	322-6769	S	С	н	Ē	T04EC15	19€€	Č	322-0799	٤	C	N	G	TC58970	1978
4	\$22-6771	S	C	N	i	1035576	1965	E N	322-0799 322 <b>-</b> 0799	S	0	N	Ğ	TC58976 T356973	1970 1970
A	322-6771	s	ũ	N	ε	T046.15	1966			_	-				
4	322-0772	s	£	N	G	TC 35576	1965	N	322-0805	S	С	N	R	TC55107	1969
Ā	322-6772	š	č	N	ξ	7046.15	1966	N	322-3836	5	ε	N	ĸ	T 6 55 1 0 7	1969
å ¢	322-6773 322-0773	۶ د	E C	N	ë E	T035576 T046215	1965 1966	N .	322-0807	\$	C	н.	G	1059423	1970
A A	322-0774 322-0774	\$ <b>5</b>	C C	N	ĵ E	T035576 T046u15	1965 1966	A	322-0808 322-0858	\$	C	Ŋ	Ř	T155532 T160873	1969 1969
Δ	324-1775	s	c	N	ĵ	T035576	1965	A	322-3809	5	C	н	R	1655832	1969
2	322-3775	S	ĭ	N	E	T046015	1966	F	322-0822	L	С	н	R	7649831	1968
			_		_			F	322-0622	L	C	н	Ε	TC 60 225	1966
A E	322-0776 322-1776	2	C	N N	ű	7035576 7046c15	1965 1966	F	322-3823	L	Ε	н	Æ	TC49801	1968
								F	322-0823	Ē	ō	H	Ε	T&60325	1965
E A	322-6777 322-0777	S	ī. C	N N	Ğ E	T039576 T049015	1965 1966	Δ	322-0850	s	£	N	0	T053132	1968
-	522 0.77	•	٠	.,		104///25	4,000	Ñ	322-0850	5	Ď	N	ō	TC53132	1966
A	322-2778	Š	Ĺ	N	و	1035576	1965	_	***	_			_	*******	
μ	322-6776	\$	С	N	٤	1046015	1966	E	322-0867 322-3867	Š	Ü.	N	F	TC61846 TC61847	1969 1969
L	322-6779	5	C	N	ŭ	T335576	1915	Ň	322-3867	Š	č	N	ē	TC 61 3 4 6	1965
-	322-6779	5	D	N	£	T346316	1966	N	322-0867	S	Ĵ	N	ε	1661847	1969
Δ	322-6761	2	c	t.	5	T039576	1965	£	322-2868	٤	С	N	R	TC 61846	1969
A	322-3781	S	ε	N	٤	T040-15	1966	€	322-3868	Š	ò	N	Ε	TC 61847	1969
Ĺ	322-1701 322-1761	S S	C. Č	H N	ģ	8059824 8636264	1969 1969	4	322-0869	S	ε	N	R	T027623	1963
i	322-6761	5	ĩ	н	نَ	1300.4	1369	Į.	322-3869	Š	Ĉ	N	£	T: 99942	1963
N	322-6781	2	£	N	v	1,5524	1969	( 9	3.2-3869	S	C	N	R	E125932	1963
A	322-6782	S	U	N	i	TG 350 >7	1965	£R F	322-5869 322-0569	Č	ľ	N	E	E125933 T( <b>57</b> 134	1963
£	301-0762	S	L	N	f	1040-16	15è6	F	322-3869	L	c	۲	ć	TL57+34	1970
-	322-670.	>	C	N	•	135 454	1968	N N	322-0859	5	r C	N.	Ŗ	1.6. 21	1962
Δ	322-67 63		6	14	,	1039577	1965	N	322-1869	3		H	₹	1060,55	1962
4	362-4703	5	ε	N	ن	T037-17	1364	A	322-0476	S	Ç	N	ĸ	1027623	1963
ž	3.2-0765 3.2-0785	\$ 5	Ĺ	H	t ن	1045016 1253454	1966 1968	A Er	322-3876 321-3870	<u> </u>	Ü.	N N	L R	1124442	1963
-		,			,		. 30.6	t R	3.2-1876	3	ŗ	N	Ē	E125933	1963
÷	3.2-0784	3	G	N	ų.	123 77	1965	N	300-0870	5	ن	N	R	TENENCE1	1962
i.	323-0744 322-6764	S	٤	N	Ę.	1347-16	1966 1968	N	322-0870	\$	٠	N	ŧ	1981,55	1963
N	3.2-6785	5	c	N	ĸ	Tobles	1566	A A	302-0871 302-0871	S S	5	N	R	TU27623 T099442	19+3
М	362-678,	5	C	N		1694664	1566	ER	322-0471	2		N	R	(125)	1463
<b>A</b>	322-0786	s	ι	N	ن	T055.23	1969	F R N	322-3871 322-6871	\$	Ĺ	N	ę	6125-55 TubCov1	1463

TECHNICAL CODING SEARCH PARAMETERS ORDERED BY MATERIAL NUMBER

		_		4.	•	<b>567</b> . <b>611</b> . 7 711.7	11 L I L I . 3 O I .	וריוו וענו. זע	CRIME NUMBE	.n.					
Property	Material Number	Phys. State	Subject	Terperature	อริชกรับอา	TFRC/EPIC An ression Number	Year	Property	Material Number	Phys. State	Subject	Temperature	Panguage	TPRC/EPIC Accession Number	Year
N	322-1871		S		٤	1062522	1962				7	н	F:		
.,	366 6012	•	,		L	1003322	¥ 102	E K	322-0909 322-0909	L L	Ċ	н	Ē	1049.7   Elouson	1972 1972
N N	312-1872 322-1872	S	C	11 14	<b>R</b> E	T065.721 T066.522	1962 1962	EK F	322-1909 322-1909	Ĺ	2	H	€ <b>=</b>	£124908 TG€6522	1972 1972
ŧ ŧ	322-1884 322-6884	Ĺ	C C	H	ę t	1653437 1062272	1969 1969	G G	322-1912 322-1912	٤	S T	H	F F	Tuhene1 T072276	1972 1973
	****	_	_					Ċ	322-1912	L	5	н	F	7:72.76	1973
Ĺ	322-(466 322 <b>-</b> (466	S S	C L	). J.	ú	1355824 1355824	1965 1985	G G	322-0912 322-1912	Ĺ	T C	H	E	1672277 1672277	1973 1973
Ē	322-0000	Š	č	N,	ŭ	1055924	1969	U	322-0 322	٠	٠	•	_	1012211	19/3
N .	322-1888	<b>S</b>	C	Ι.	Ĝ	T055624	1969	A	322-0914	2	C	N	ŧ	1666876	1969
É	322-0889 322 <b>-</b> 0363	S Š	C	ře N	ft E	T087323	1976 1576	G	322-0916	S	3	N	I	105562J	1969
N	322-6889	ذ	Č	N	R	T050,28	1563	N	322-0917	2	T	N	ρ	TC64351	1971
H	322-0369	S	C	٨	£	TG63811	1971	N	322-3917	\$	î	N	F	1664351	1971
Ē	322-6893	s	î.	N	R	T074113	1970	A	322-5318	S	U	N	₽	TL68598	1572
E N	322-6398 322-6896	ى 5	î Ĉ	N	E R	7074:14 70508	1970 1963	N N	322-0918 322-u918	5	T	N	P	7064351 7u64351	1971 1971
N	322-6893	Š	č	N	ĩ	1063811	1971	Α,	355-0310	-	•		-	12 64391	19/1
N	322-0891	s	С	N	R	T0568	1963	6 6	322-0919 322-0919	<b>\$</b> 5	о С	N N	Ł P	TC63574 TC63674	1970 1970
N	322-6891	S	C	N	Ē	T053811	1971	N	322-6925	2	c	N	j	T041730	1966
F	322-6892	L	С	н	£	T058277	1968	, H	322-0921	5	2	N	J	Tu41730	1966
F	322-6893	L	C	H	R	T058277	1968	.,	022 6722	•	-	••	•	10 12 100	
E	322-3394	5	٥	N	J	1334161	1964	H	322+2922	S	C .	N	J	T041730	196ċ
N	322-6394	S	Ĺ	N		1034161	1964	H	322-3923	٤	C	N 		TG41730	1966
E N	32 <b>2-</b> 6895 322 <b>-</b> (895	s s	C	N	Ĵ	TC 34161 Ti 34161	1964 1964	14	322-6924	٤	С	N	3	7641730	1966
Δ	322-6398	s	С	14	ū	TG 64341	1971	N	322-0925	٤	£	N	J	TC41730	1966
Mm	322-0098	5	Č	N	Ğ	£115146	1976	A	322-0926	S	Ε	N	Ŕ	1005271	1971
	777-1400		_		_	775/7/4	4074	Ä	322-1926	5	Ē	N	Ē	TC74139	1971
<b>4</b> G	322 <b>-</b> 6399 322 <b>-</b> 6399	s s	C 	N N	G Ĕ	T064341 T093588	1971 1977	A A	322-3926 322-3926	S	D E	N	ĸ	T 6 56515 T 6 58515	1977 1977
PН	322-0899	S	Č	N	Ğ	E105146	197€	N	322-0926	\$	Č	N	R	TC98515	1977
Δ	322-0901	Ş	c	N	G	T864341	197:	N	322-0926	٤	L	L	F	TL 96515	1577
4	322-1902	s	С	N	G	TC64341	197:	4	322-0927 322-0927	2	0	N	R £	T065271 T074139	1971 1971
Δ	322-6953	٠	Ĺ	N	G	1054313	1971		322-0528	\$	C	N	P	T062761	1971
N	322-1304	۵	٤	н	Ř	T046538	1967	۵	322-0931	s	ε	N	G	T9464J6	1965
L	322-(916	s	С	н	R	1061347		E N	322-0931	<u>s</u> s	נ	N	G	1046416	1965
Ē	322-6936	2	Č	н	â	1002347	1969 1969	n.	322-0931	3			G	16464.6	1965
N	322-1936	5	C	Ł	Ř	T972664	1973	N	322-0933	5	2	N	R	1060724	1934
N	322-1406	\$	Ç	L	č	1077222	1973	N.	322-0933	5	Ţ	N	Ę	1:607.4	1934
N	322-1316 322-1316	S	(. (	N L	É	1096140	1973 1973	N	322-0933	S	C	N	Ε	T266143	1972
								4	322-0934	٤	Ε	N	Þ	1066245	1572
ند	322-(337	Ş	C	N	R	TG74135	1971	Α.	302-0934	5	5	N .	ŗ	1069112	1972
é b	322-6907 322-6937	ა ა	Č	N	Ē. Ni	1674136 E144917	1971 1971	ŧ.	322-3934 322-3934	5	ti t	N	R E	7066645 7169612	1972
ć-	322-4967	Š	Ť	N	Æ	6104:17	1971	દેવ	322-0934	5	Č	N	Ř	E101537	1972
Ł٨	322-6407	S	Ţ	N	E	116-718	1971	Eñ	322-0934	S	ت	N	E	E101535	1972
Pris	322-1937 322-1917	s S	7	N	E Fe	£144918 £144917	197; 1971	ε	322-2935	2	С	N	e	1066245	1572
-	322-1.7	5	Ċ	N	ĸ	6144917	1971	Ē	322-0935	Š	ţ.	N	Ë	1069512	1972
Fn	3.2 337	S	1	N	Ê	:104.28	1971								
Pn Pi	302+2307 322+0307	5 5	נ	N	Ł R	5124919 5134917	1971 1971	A A	322-0936 322-0936	<b>S</b>	C	N	Ę	7666246 7669516	1972
MS	322-2317	3	ĭ	N	Ř	1144917	1971	ž ×	322-3530	7	۲	N	Ę	E101: 37	1972
<b>F</b> 1	3 7	5	T	N		f104910	1971	Ĺĸ	327-0436	٤	C	N	ε	£101 (38	1972
M5 N	3.2-6437	5	Ĺ	2	į.	1169-18	1571		777, 1070		r	a.		T1 64 764	107*
N	322-6367 321-6367	S	L	N	ř	7074135 7074136	1971 1571	£ A	322-3939 322-8939	Ş	C C	N	K E	7666245 766412	1972
		•	-		-		• • •	Ĩĸ	3.0-0 335	3	ć	N	4	1101-37	1972
4	322-0908	5	č	н	<b>A</b>	Tel: 347	1969	EK	322-1939	S	Ĺ	N	f	1111-35	1976
ę.	322-69, a 322-69, a	Ĺ	ŗ	H	H L	1361.ch 1864.a6	1971	<b>A</b>	322-0941	٤	٥		c	11.74.90	1571
٠		•	-	•	•		• • •		3.2-3941	Š	:	N	ŧ	1774646	1971
E M	322-6439	L	ξ	н	ç	1260967	1972	Ł٨	301-0941	:	:	N	H	(144403	1971

TECHNICAL CODING SECREB FOR CYCLES OF DEPTH FOR MATERIAL NUMBER

						SEARCH CO	E (E) O D	F144	THINE MOUNDE	. г					
		2		5						3		£			
	7	State		Temperatur	٠,	9.5		<b>*</b> 2		State		Temperature	2	TPRC/EPIC Accession Number	
:	2.5	٠.	ž	i.	4	ii s		perty	ec (31)		Į.	2	8	2 2 2	
č	Ξá	80	÷	Ã	n William I	ું ફેંટ્ર	÷			٠	ž	7.	งสิดบุลักคมี	ည့် မို့	:
Property	Material Number	Phys.	Subject	ř		TPRC/EPIC Accession Number	Year	ئے	زغ	Ph: s.	Subject	٤	Ë	E 2 2	7687
é w	322-1941	Ş	į	N H	•	6136364	1971	F.	322-2948	5	D	*	£	T023.57	1958
Pr Pr	322-1341 322-1341	Š	ر 1	N	2	E1 243.3	197 <u>1</u> 1971	ŧ	*** ****	2				* / ** * * * * * * * * * * * * * * * *	
PH	322-1341	Š	i	14	Ţ.	[134943 [134924	1971	ť	322-0990	-	τ	N	J	1150216	1561
P=	322-6341	5	1	- 1	į	1160164	1971	4	322-0991	5	ڼ	N	÷	TG 28 : 60	1935
hi	322-6141	5	÷	N	~	£1643c3	1371	-	322-0771	3	•		-	1020100	1737
MF	366-6941	Š	Ċ	14		£1249.3	1371	4	322-5993	\$	5	٨	Ç.	1635576	1965
M.	362-694:	Š	7	N	£	6234364	1971	4	322-0493	2	ž	N	Ě	7646715	1966
++	322-4341	5	Ĺ	N	ŧ	6136:64	1971	4	322-5593	Š	Ċ		Ğ	1655124	1965
N	322-4341	S	Σ	N	*	1374390	1971	L	322-1355	٤	ن	N		1.55824	1969
N	126-6941	S	C	N	£	1374691	1971	(	322-1493	٤	5	N	5	1655824	1969
_								ř.	722-1993	5	5	N	G	T655624	1969
ε	355-0145	2	٤	М	ť	1061769	1971			_	_				
L	* - 13. 1		e		,	* 1		Ł	322-1009	2	ε	N	Æ	TG19C36	1959
	322-1343	5	C	М	Ł	1361769	1571	F	322-1011		-		R	T653437	4060
£	322-6344	L	٤	н	_	T074150	1372	F	327-1011	L L	Š.	H	Ē	1662272	1969 196 <b>9</b>
F	322-6344	-	ĭ	- 11	į	1074130	1572	•	324-1011		,	-	E	1002212	1263
•	011 0314	•	•	,,		, , , , , , , ,	2 , , , ,	c	322-1012	5	3	N	E.	T 656663	1952
4	322-6345	S	٤	N	Þ	T668598	1972	-	,	-	,	,•			. , , , _
		_	-			. • 3 • 7 7 0	• • • •		322-1313	S	2	N	R	TC73229	1971
L	322-0346	s	ε	N	₽	1863598	1970	Ν.	322-1013	2	ū	te	٤	TC7223.	1971
4	322-6950	S	С	N	P	T060558	. 57 6	ŧ	322-1014	\$	D	L	Ε	TC42917	1967
								t	302+1014	5	C	L	F	TC47146	1967
G	322-6957	ذ	1	N	f4	T063175	1371								
C.	322-6357	S	C	N	-	106317#	1971	4	312-1015	?	S	N	R	TC23641	1958
Ġ	322-6157	ē	Ł		-	12721-7	1971								
Ç	322-0357	S	Ť	•	*.	107-1-7	1971	c	322-1017	٤	Ľ	н	R	TL79366	1974
	*** ***							C	327-1017	L.	-	۳	÷	1679366	1574
N	322-0956	2	Ĺ	H	÷	FESSOUT	197:		3.0-1617		Ċ	H	f	1691.51	1974
N	322-0359		ε			T 0 /		C	322-1917	£	£	н	£	Tibilei	1574
N N	322-1353	c	Ĕ	14	÷.	T063573	1971	L		-			F	1679266	4.07/
14	. ( E- 6 7 2 3	٤	L	N	-	Tenress	1971	Č	722-101# 322-1016	5	0	H	Ę	T091291	1974
N	322-0460	5	Ĺ	14	a	1000099	1971	•	322-1316	-	٠		ţ	1037527	13/4
	••••	•	-				• - · •	C	322-1619	S	Ε	н	R	1179366	1974
N	322-6362	5	ī	N	£	7668374	1971	Ĭ.	3.2-1619	5	Ē	•	٤	7.9.291	1574
													-		
Ł	322-0365	٤	r.	N	×	T674113	1970	C	322-1020	2		H	R	1079366	1574
É	322-0365	ذ	C	N	ŧ	1074114	1976	С	322-1036	:	ž	h	F	1091291	1974
-	772-6366	S	Ε	14	~	T074115	1970	C	320-1001	S	2	۰	Ř	T079366	1974
4	321-[350	د	٤	N	•	1374116	1576	С	3.2-1021	٤	2	Ħ	E	T£91291	1974
5 -	322-4965	3	C	N		21 913	197.				-				
f-	322-1456	S	ŗ	84	ť	1164914	1970	r r	322-1625	٤	ç	N	r.	T085006	1576
N.	366-4100	د	5	N		1074115 107-116	1976 1976	۵	322-1225 322-1225	5	S	N	÷ E	T£96446 1253779	1976 1976
	322 - 2 303	-	·			101-11-0	4 1 1 6	Ē	322-1625	5	č	ĸ	ŗ	1091267	1974
+	302-0970	L	ε	5	Ř	7366864	1971	ĒŔ	322-1135	č	i.	î	ξ.	£11264+	1576
		•	٠	.,	-	100000	A	1. 4	322-1125	;	ì	ř.	-	112144	1976
N	322-0371	5	ε	Ħ	ĸ	1373225	1976	Ł n	372-1225	2		N		1:26281	197€
N	322-117.	Š	Č	N	:	1473226	1370	Ġ	3.2-10.5	•		h	٥	1385187	1976
	•							6	3:1-1125	٤	î Ĉ	N	F	1-96157	1576
٤	322-6972	خ	C	N	÷	1073241	1977	GP	322-1325	٤	L	L	S	11.9731	1977
Ē	322-L372	S	~	М	É	1573646	1972	۲۹	322-1005	٤	ζ.	N	¥	E1006++	1972
								PH.	121-16.5	2	7	٨	•	11.01.4	1972
4	322-045	5	C	H	•	1075.77	1973	PH	332-1025	\$	-	N	ŧ	£121454	1975
in	322-6333	۵	Ĺ	74	•	TC7 .75	1973	p a	323+1025	<u>`</u>	Ţ	N	:	1161444	1972
	122-12-1		_			T > 24 > 24	4.037	P 5	3.2-1126	٤	Ç	N	e e	1103199	1972
4	322-033 <u>1</u>	٥	C	74	4	T371275	1977	د <del>۱</del>	301025 322-1025	S	1	L	2	F16[894	1972
г	342-6361	2	C	N	•	1679675	1973	24 P3	322-1025	<b>S</b>	ŗ	N.	à	6100 644 6100 644	1972 1972
4	322-6332	s	C	N	4	1075275	1973	۳Š	321-1025	\$	t	Ñ	Ē	1111454	1572
Ñ	322-6402	Ş	Ċ	Ŋ	•	1075275	1973	د ۲ د ۲	322-1025	š	i	ï	7	£101954	1972
	4/32	-	٠	•			•	rs.	321-1625	:	ė	ì	Ė	E161954	1972
N	322-6993	5	L	N	4	1071.75	1972	د ۱	302-100-	5	ũ	N	Ē	£10-15-	1572
		-	-			-		۴.,	300-2225	Š	ĉ	Ĺ	-	£ 16 · /	1977
A	322-1384	5	C	N	:	T001114	1961	N	302-1025	5	i.	N	t	12900-	1973
4	322-6984	5	Ç	N	÷	102 . 15	1981	N	5, 7-1, 25	5	t.	L		1096183	1973
4	366-6944	\$	Ł.	М	i.	1077142	1986	<b>h</b> F	372-1925	٤	4.	^	Á	CLOSEJ7	1275
4	302-0994	•	ŗ	N		1977142	1960	MŁ	322-1025	5	17	N	ē	1.689723	1975
Ĺ	322-144	:	τ	N	L	1500-45	1011	·		_					
L	3 18 .	>	ŗ	N	:	10:	1961	₩-4 ₩-4	322-1839	٤	ũ	N		1061828	1973
ŧ,	322-294 322-294	٥	Ĺ	7		14.	1911	нн	321-1134	ξ.	ŗ	N	ŀ	F0h1624	1973
t t	file at the	<u>د</u> د	٤	"	t t	16.1.19 137714c	1461	1.5	177-1046		L)	N	_	[ 0   4   4   2	
í		<b>د</b> د	L.	N	:	1077192 107 194	1900	1.0	1040	٠	ü	N	· ·	[061724 [[617]	1973
N	12	Š	ĭ	N		117/14:	1972	<b>j</b> c	3.7-1240	5	č		è	E. 61178	1973
N	322- 154	3	Ĩ	N	,	137-1-2	1010	Pro	107-1040	2	1.	N		FC+ 1829	1973
							-								

TELEMICAL FOOTING SEARCH PARAMETERS OFFERED BY MATERIAL NUMBER

		ė,		•				 	T. WATTE WORLD						
Property	Material Nucber	Phys. State	Subject	Terperature	Linguage	17RC/EPIC Accession Number	Year	Property	Material Nu-rer	Phys. State	Subject	Temperature	Language	TPRC/EPIC Accession Number	Tear
€ -	322-1041	5	٤	ř,	R	1061524	1973	Ε	322-1191	S	э	L	E	1697123	1979
e n Min	322-1341 322-1341	S	Ĺ	N N	ų. N	FC 51 824 E = 61 82 8	1973 1973	£	322-1192	٤	Б	L	E	1097123	1979
Mr.	3cc-1.41	S	C	6	ί	1061129	1973	E	322-1193	s	С	L	Ł	T397123	1979
Pm N	322-1058	\$	Ĺ	N	Ř	E076561	1974								
Ħn	322-1.58	3	C	N	Ε	E343~40	1974	£	322-1194	S	Ĺ	L	Ε	TC=7123	1979
F# ##	322-105± 322-145±	S S	ב ב	N N	Ę	E0705U1 E593346	1974 1974	E	322-1195	S	υ	L	£	Tu97123	1975
He	322-1065	ى	ε	ĸ	×	E0705u1	1974	E	322-1196	2	C	L	€	T 097123	1975
PH	312-1160	S	C	h	ŧ	E09324u	1974	ξ	322-1197	S	C	L	Ē	T097123	1979
Ēr 15	322-1062	\$	C	N	4	E389303	1974	Ε	322-1198	٤	C	ι	Ε	1097:23	1973
ع ع	322-1362 322-1362	2	ľ	,	મ દ	E249366 E345339	1974	E	322-1199	5	C	L	٤	1697123	1979
ξP	322-1362	5	1	٨	Ĺ	£093239	1974	ен	322-1203	s	D	N	J	£113±52	1975
<u>.</u>	322-1134 322-1134	S S	C C	N	F R	T089523 T089523	1976 1976	44	322-1204	2	С	N	J	£113652	1975
4	322-1134	3	C		E	1089524	1976								
-	322-1134	S	C	L	ξ	T039524	1976	FH	322-1205	٤	C	N	J	£113£52	1975
E fi	322-1136 322-1136	S	ŭ	N	É	TC89345 T089345	1976 1976	ĸн	355-1516	5	C	N	j	£113€52	1975
Ł	322-1137	S	С	L	£	1089345	1976	нн	322-1207	S	С	N	J	E113652	1975
Ĺ	322-1137	Š	Ĺ	N	ξ	T089345	1976	HH	322-1208	\$	C	N	J	E113652	1975
£	322-1138 322-1138	s s	C	N N	Ē	T089345 T089345	197€ 197€	A	322-1217 322-1217	\$ \$	c C	N	Q Q	TC76363 TG76363	1973 1973
£ £	322-11 <b>39</b> 322-1139	s s	E i	N L	E	T0#9345 T0#9345	1976 1976	МН	322-1221 322-1221	\$ \$	D G	N	Ę	E111122 £123£25	1977 1977
E È	322-1140 322-1140	s s	E	L	Ę	T089345 T089345	1976 1976	MH	322-1222 322-1222	5 5	0	II N	Ę.	E167558	1977 1977
É	322-1143 322-1145	S	Ē	N	É	TC 69345 TC 69345	1976 1976	MH	322-1223	\$	S	N	ĸ	E167558	1977
ę.	312-1141	3	С	N	E	1009345	1976	MH MP	322-1223 322-1223	\$	Ü	f. N	E	E123638 E107550	1977
E	362-1141	5	č	L	Ē	1099345	1976	I.P	322-1223	Š	ú	N	r	£123638	1577
ŧ	3.2-1145	5	5	N	6	1007923	197€	MH	322-1224	S	٥	N	×	E107553	1577
E	322+1145	2	ε	N	E	T092074	197€	MH	322-1224	\$	2	N	٤	E 123635	1977
۵ ۵۵	322-1147 322-1147	<u> </u>	Ĺ	N	F	TG53139 E112578	1568 1571	PH MH	322 <b>-1</b> 225 322 <b>-1</b> 225	\$ 2	2	N	Ŕ	E107558 E123638	1977 1977
5	322-11-7	٤	C	N	J	TC53139	1566	₽ ⊅	322-1225	٤	Ü	N	ä	£107558	1977
Ę.	3.2-1147 3.2-1147	5	Ç	4	5	T053139 E125932	1966	μυ	327+1225	S	i D	٨	: 2	£ 123 t3 t	1977 1976
Ėĸ	362-1147	5 5	č	H N	Ē	E125+33	1963 1963	rs ns	31225 322-1225	Š	č	Ĺ	Ē	E127271 E120411	1976
PS	322-1147	Š	č	ï	č	6103579	1976		****	-	٠	-	-		• • • •
C	3 147	خ	C	24	ĸ	T071353	1973	MH	322-1226	\$	ú	N	~	E167556	1977
С	312-1147	Š	C	ř•	ξ	TC 90167	1973	PH	322-1226	S	U	N	£	E123635	1977
( i	322-1152 322-1152	S S	Ĺ	K H	G	1333.46 1036732	1967	PP PF	322-1227 322-1227	S	ن د	N N	₽ Ē	E16755 E123638	1577 1977
ms.	322-1153		į	N	6			MF		2	3	N	2		
ms MS	322-1155	s	C	N	u	E1J5:46 E1G5:46	1376 1976	44	322-1228 322-1228	Š	ú	ři	E	E107558 E123E38	1977
								£ ⋈	322-1279	5	3	L	q	E110984	1976
A	300-1156	S	Ç	N	į.	T084264	1950	ER	322-1279	Ş	0	L	٤	E11.985	1976
	322-1156	S	С	٨	E	1084266	1917	MH MH	322-1279 322-1279	\$ \$	ŭ	Ĺ	R E	E115632 E124018	1978
L	322-1:57	۵	L	N	ξ	1004.60	1554	,,,,	322 - 121 9	-	٠	•			1710
N	321-1157	S	ε	N	Ł	T584260	1950	H	327-1300 322-130u	Š	0	N	S	TU91631 1091+31	1977
E	322-1186	۲	Ĺ	N	F	TJ 96855	1973				_		, c		
F	322-1187	s	c	L	(	TC97123	1974	4	322-1302 322-1302	<b>S</b> S	ن ت	N L	۲	7692574 7696474	1977
£	3.2-1199	5	c	Ł	t	1097123	1979	į.	300-1310 310-1300	: 5	ć	N	0	76.92×74 76.92×74	1977
ŧ	311-1153	۵	ζ	L	Ĺ	10 771.3	197	4	377-1303	\$	r	Ĺ	c	1042.74	1477
ŧ	3.2-1192	,	ε	Ĺ		1047163	157-	# t	322-1393		i č	N	0	1690,974	1977
-		-	•	•				ì	301-1303	Š	Ī	N		1645474	1977

				ų.		SEMRON TAIL	With the second	10 W 1040	it"!AL NONBI			e			
Property	Material Number	Phys. State	a. af ang	Terperature	Janzuage	TPRU-EPIC Accession Sumber	Year	, a see a se	10 mm	Phys. State	Subject	iom, crature	Lancuage	TPRC/LPIC Accession Number	Year
A .	3: 2-1325	ء د	C	Ĺ	٦ q	T098515	1977	N.	322-1394	5	5	,-	Ę.	1079286	1974
4	322-1325	5	C	и	-	てしゅかちょち	1577								
£ E	322-1325 322-1325	ذ د	ί	N	Ę	7196715 1196715	1371 1977	N	372-1395	S	3	h	J	T081175	1970
ř	322-1325	Ş	C	L		1006515	1577	í	322-1398	S	Ü	N	٤	1095983	1970
ž4	322-1325	S	ί	N	A	T699515	1977	í	322-1399	5	ن	N	ç	1695465	1970
4	322-1320	3	t	L	-	11.28/15	1977	Ę	322-1399	Ē	_	١٠	Ē	T095983	1970
Ä	322-1326 322-1326	د د	į	14	•	7095-15 70957 <b>15</b>	1977	чн	322-1417	:	ų.	ř.	F	E108551	1977
N	322-1326	s	č	Ĺ	-	1696515	1377			•					-
Δ	3.2-1344	5	ι		i	1084260	1941	i n	322-1419 322-1419	L S	ŝ	۲	E E	E111534 F1.1534	1970 1970
N	362-2344	Š	č	14	- E	1054210	196		522-1419	Ş	3	**	i	6161935	1970
4	322-1345	5	ι	N	£	TC 54_+8	1000	Ł.	322-1419	٤	U	r	÷	E111535	1970
N	322-1345	Š	č	N	Ē	TOOVIED	1950	F₩	122-1426	S	Ġ	н	í.	E101534	1970
	322-1347	s	C	N	÷	£ 495+36	1571	Łĸ.	1/2-1420	Ĺ	7	r	ê.	11.1.34	1970
A .	3.2-1347	\$	ť	N	÷	8845437	1575	f H t A	3.2-1420 3.2-1420	ī	٤	'n	E.	E1.1945 E1.1435	1978 197 <b>6</b>
	312-1347	\$	t	н	-	EC #5 #36	:975								
<i>n</i>	322-1347 322-1347	5 5	Ĺ	H H	£	5699417 1681_22	1975	į P Fig	3:2-1421 322-1421	<u>د</u> د	-	۲	P.	E151534 E101:34	1970 1970
н	322-1347	Š	ũ	N		T681716	1975	t n	322-1421	5			ť	6101535	1970
42	322-1347	5	L	N	a	:035436	1975	ť⊀	322-1421	L	•	h	E	F101935	1570
F.1	322-1347 322-1347	S S	Ĺ	N N	Ę	£095,3 <b>7</b> E <b>Q</b> 95,36	1975	ć ĸ	322-1423	L	ر	h	F	11.1534	1976
41	322-1347	S	E	н	٤	5695437	:975	t R	322-1423	ت	-	۳	n,	5161934	1970
A 5	322-1351	ī	Ł	N	J	E119618	1578	£4 Ek	322-1423 322-1423	Š	3	h	ę. E	F101:35 E111:35	1570 1970
h i	322-1351	Ť	Č	N	Ĵ	£119618	1976	<b>C</b>		•	٠	•••	-		. , , ,
<b>2</b>	322-1352	ī	ί	N	J	E119518	197€	F	322-1434	L	٤	H	1	T552454	1947
#i	322-1352	i	٤	N	J	E119018	1478	6	322-1573	2	C	N	c	1698962	1978
	2-2-426					513.341	1976	5	322-1573	2	ſ	Ħ	ρ	T£98962	1978
įk įk	322-1354 322-1354	2	£ T	4	~	E134911 7164911	1976	(	322-1586	S	ű	•	Ę	T100063	1979
€-	322-1354	•	ŗ.	4	-	E10+3:2	1970								
F÷	322-1354	5	Ť	н	Ę	E104912	1970	<b>4</b> i.	322-1587 322-1587	2 2	3	N	5	1655624 1655624	1965
<b>#</b> 3	322-1356	S	C	Ĺ	~	E157271	1976	E	322-1597	۵	1.	N	Ü	1.55124	19€5
٤٩	322-1356	٥	C	Ĺ	E	£126411	1976	ь.	322-1587	S		H	C.	TU 55624	1969
HH	322-1350	2	Ĺ	N	Ğ	£105.46	197€	A	322-1588	5	Ţ.	N	3	1055824	1989
H-	322-1359	5	3	N	u	F105146	1976	ŧ	322-1585 322-1588	<u>د</u> 2	÷	٧	c ن	7655624 7655624	1965 1965
	322-1377	,	·	.,	٠		1571	ř.	302-1580	5		N	5	1055624	1565
Ħn	322-136)	Ś	C	N	J	£105.46	1976		722 450.	-				10563	
Mm	322-1361	s	L	N	ē	£10514E	1376	4 C	322-1591 322-1591	5		t. Is	9	10558.4 1055:24	1969
								Ł	7.2-1591	2		~	5	1.55624	1969
Ħп	322-1362	S	Ľ	N	J	E135146	1976	N	322-1591	٤	-	N	ئ	1655634	1965
<b>H</b> H	322-1363	5	Ĺ	h	5	£1.45.46	137t	MH	3.2-1592	2	2	N		F107557	1976
ÞН	322-1364	s	С	t,		11u514t	1576	ĦĦ	318-1692	-	Ú	٨	£.	F119165	1976
		٠						řn.	322-1593	2	-	N	J	F111005	1977
۳٦	322-1369	3	c	N	,	£145,46	1976	PH	322-1594	5	ε		J	£111705	1977
H.n	322-1366	2	C	N	,	£1.5146	1976				·		•		
мн	322-1367	5	ε		ċ	£135146	1976	MH	322-1595	Ş			J	E1112.5	1977
		,	·	••	·		1:70	нн	3.2-1596	2		N	J	1111115	1977
*-	322-1360	د	C	١.	٠	f 1 c 5, 46	1976	Eh.	322-1597	,			J	£ 4 4 4 3 1 6	1627
to	322-136+	J	C	N		1115146	197E	EN		`	'	~	٠	E111215	1977
M	3137.	۵.	L	٠,	,	F165146	1 4 74	۳H	307-119*	i		*	J	£111335	1 4 7 7
		•		•	•		1476	кн	322-1599		.*		j	11113.5	1977
<b>p</b>	322-1371	3	1.	٨	-	1.0 +1.4€	157t	<b>*</b> H	3/7-1605						1977
۳,,	122-1372	ر	Ĺ	N	,	1345146	1576			٤	i.	Α.	,	1111209	19//
f	322-1377	ι	С	H		Tu 7 ( 140	1074	МН	300-1601	٤	í	٨	J	E111316	1577
				_	•		1971	hH	322-1617	•		N	J	1110.67	197e
F	300-1378	r	Σ	н		1070743	1971	be so	322-1672						
	322-1393	3		te	÷	TC 79. 20	1 7 74	Mn	356-1445	*	•	٨		E C #2 6 5 4	10:1
N	3.3-13:1	U	(	~		1074.00	1974	1.44	322-1623	5		N	ę	E4.62 - 69	1473

TEC NICAL CODING SEARCH PARAMETERS OFFICED BY MATERIAL NUMBER

					S	EARCH PAKAN	REPERS OF	DEPEN BA	mai	EKIVE NOWBER						
Property	Material Rubber	Phys. State	palans	Temperature	Language	TPRC/ERIC Accession Number	Year		Property	Material Na Ner	Phys. State	Subject	Temperature	Language	TPRC/EPIC Accession Number	700
<b>P</b>	322-1624	J	٤	N	к	1092589	1973		4 E	355-0228 355-0228	5	L E	N	F	T016589 T016589	1951 1551
4	322-163u 322-1933	5 د	E C	N	0	T059313 T059313	1970 1976		A	355-4251	5	C	L	J	TC10087	1940
A	322-1531	s	ι	N	ç	T059313	1976		G	355-0294	Ş	C	N	P	1660631	1,72
A	322-1031	Š	£	N	ú	T059713	1976		H N	355-029C 355-029C	د s	C	L	Ę	7693911 7693911	1978 1978
<u> </u>	322-1632	5	4.	N	Э	7359313	1978		N	355-0296	S S	٤ L	h L	Ę	7634225 7694225	1978
Δ	322-1632	Ś	С	H	J	10593:3	1970		N N	355-0290 355-0290	\$	t	L	E	7698614	1978
۲ ۲	322-1633 322-1633	Š	i E	N	<b>3</b>	TC59313 TC59313	1970 1970		N R	355-3293 355-3298	S	ŗ	H	Ĺ	T095014 T033205	1978 1949
N	322-1634	5	٥	N	Ε	TG53166	1968		4	355-0313	\$	C	N	c	TU23596	1959
N	322-1635	3	٤	N	£	T053160	1968		4	355-0315	s	ن	N	R	1623641	1958
N	322-1635	5	٤	N	£	T0531EU	1568		4	355-0328	S	2	N N	E	TG26217 TG26220	1963 1963
N	322-1637	3	С	N	£	T05316C	1568		Ĺ	355-0328 355-0328	٤	Ĺ	N	٤	T626219	1963
			c	н	Ę	T053160	1568		E	355+0328 355-0328	<u>•</u>	r C	N	E	TC26220 TO26219	1563 1963
N	322-1638	S							Ē	355-6328	٤	ε	N	q	TG24220	1963
N	322-1539	5	ξ	n	Ē	TC 53160	1566		A	355-0343	s	٥	٨	ŝ	TC 20695	1930
N	322-1643	ذ	C	N	٤	T053160	1968		4	355-037?	s	C	N	R	Tt.5154	1957
N	322-1641	3	£	Ħ	ĉ	T053166	1666		A	355-J373 355-G373	<u>2</u> S	T U	N	E P	TC53276 TQ53276	1968 1968
N	322-1642	,	c	11	٤	1053160	1966		A	355-0373 355-0373	5	T E	N	Ē	Tu53519 Tu53919	1968 1968
N	322-1643	ડ	C	N	Ē	T053160	1568		A	355-0374	5	C	ř.	R	TC 27 C51	1962
N	322-1644	Ś	г	н	£	T053166	1966		4	355-0374	S	С	N	Ε	TOSDOUS	1962
N	322-1645	š	ε	N	٤	1053166	1968		F F	355-0381 355-0381	Ĺ	Ü	Ħ	E	7031061 7031645	1963 1962
£	345-6345	ś	ä	N	ę	TG 31195	1955		F	355-0381 355-0381	ì	Ğ E	H	₹ ₹	1632215 1032695	1963 1963
L	345-(340	\$	٤	N	Ř	T031195	1355		F	355-0301	L	C	H	R	TC32723 T043777	1963 1963
F	355-(308	L	ü	н	ત	1332215	1963		F	355-0381 355-0381	L	ב כ	H	R €	TL43777 Tu43175	1963 1966
Ł	355-6100	ذ	G	N	ર	T028660	1935		F	355-3301 355-6381	Ĺ	ŗ	H	٤	1043175	19€€
ŕ	355-4166	L	C		Ĥ	7635E44	19-4		F	355-2381 355-0381	£	Ĺ	H	R	TC 45576 TC 45576	1967 1967
f	355-0106 355-0106	L	ĩ	h		1025429 1025430	1962 1955		•	355-0381	•					
r		-							F F	355-0384 355-3384	L	C C	H	E.	TG31261 TG32763	1963 1963
A	355-6117 355-6117	S	ב ב		É	7000086 7001.75	1954 1951		r	393-1004	٠					
1	355-6117	Š	Ġ		٤	13.0.47	153t		F	355-3347	Ļ	ť C	H	£	Ti31161 Ti32495	1963 1963
Ľ	355-011/	Ś	Ć	N	ξ.	7009351 TC11399	1946 1953		F	355-3387 355-3387	Ł	ŧ	H	ŝ	T. 32 700	1903
۵	355-1117 355-1117	<b>د</b> د	Ł	N	į	7(1)645	1929							_		
4	355-6117	S	L	N	ŧ.	T043260	1 538		F	355+0398 355+0386	L	C	H	Ę	TG31061 TG32695	1963 1963
		_				T238653	1946		F	345-0366	Ĺ	Ĺ	H	è	1032700	1963
4	355-6191 355-6191	<b>S</b> 5	C C	ħ		1011357	1963		F	345-2388	ī,	Ĺ	H	k	1040777	1963
٤	355-1131	Š	č	N	ć	Tu. 1.45	1065		ŧ	355-03ad	L	τ	H	R	7546777	1563
â	355-6191		1	N	٤	1025-45	1952		F	355-3355	Ļ	C	H		1243175	1956 1966
			_			*****	1953		F	355-0356	£	Ç	н	Ł	Tu43175	1956
4	355-0192	2	£	N	Ë	7311369 7325,45	1952		F	355-0340	L	Ε	н	Ε	7(31/61	1963
Α	355-629c	2 د	L	N	Ł	1025.45	1952		F	344-0390	L	τ	H	£	1032702	1463
_	05. (2)0	_								255.0300		Ĺ	н	£	10.11.45	1982
4	355-0264				Ł	1007248	1957		f	355-0394 355-0394	Ĺ	Č	Ĥ	R	1032115	1563
L	359-1204	٠	ι	N	-	T015639	1960		F	355-0399	ì	è	н	F	1032695	1963
4	355-0208 355-0208	<u>د</u> د		N	ŝ	T015457 T015457	1934		F	3 5 5 - 0 40 4	ι	C	۲	£	TC 32 F 95	1963
4	355-0219	۵	٥	N	÷	T016673	1956		ſ	344-0466	L	ı	н		T032715	1963
						1017197	1966		ŧ	354-3436	Ĺ	C	н	Ŕ	7632135	1563
4	355-6203 355-6263			N	£	1371554	1963		f	344-2437 345-2407	ŗ	ſ	H	*	1632.35	1963
4	355-6227		τ				1551			2.6-1124	ţ	ι	N	ŗ	T040.17	1916
ŧ	355-6227		· t	N	F	1910360	1951		A	355-4418	;	·		*		

TECHNICAL CODING SEARCH PHINYCILEU I DIE BIEY MATERIAL NUMBER

						: L	RE . II	F - 13	Hallian Color	., .,		THE HOLDE			۵.			
		, ite		]enberature			3 5				*	Material Net of	-		ie-jerature ianguage		15 E	
ŧ	E .	ż	Ť	2		-	1337				3	2 1	:		i. ĝ.		THRCEE Acressi Aumher	14.91
Property	Material Normer	2	Subject	ř		3		• •	***		2	á t	ž.	1.5 .7	<u> </u>		古名著	ř
<b>1</b> 4	ž 2	ž	Ĵ.			2	ř. ž	ř	ž			355-0560			٠ ،	7	UA9145 1	976
£	395-6479	s	L	fe			1053		1 4 8		ŧ	155-0586		C.	N ć	1	009345	1576
۵	355-6479	٤	1	**			1225		1918 1868								rt 89345 - 1	976
4	355-6473	>	-	N			1053 1053		1364		ŧ	100251		,	N 6			476
4	355-6473	5	;	,,							ı	155-0641	2	L	,,			
£	355-1450	\$	1	ħ			1600		1406		Ł	355-0032	\$	U	L			1576
4	355-6-0.	5	ĉ	,	-		15:3		. 9 € € 2 € ₹ ₹		ŕ	\$45-0002	<u>-</u>	1	<b>N</b> (		1.89345	1976
4	355-1400	-	1	1		i E	1055 1051		1968					t	N (	6	£145146	1976
÷	355-6444	د	•	,	•	•					<b>*</b> 5	355-0502	5	L	,	•		
À	355-1431	J	1	•		4	1553		1568 1568		€	355-3911	ç	ı		2	7250555	1573
L	355-6401	5	Ć		N	F.	1553 1553		1266		•						1007123	1979
4	355-345.	د	Ţ		if N	į.	1053		1168		t	355-2929	-	U	L	E	, 6 3	
и 7	355-6452 355-6482	Ş	÷		H	-	TO 5-3	rri	: 668		ε	355-0936	s	C	L	r	T 6 97 1 23	1975
N	355-1481	3	C		H	Ĺ	1053	5-53	1356		£	3,7, 6,7,0						1975
		_				4	1053	t 76	1568		E	355-7931	2	C	Ĺ	:	7697123	1917
A.	355-6-82	S			tii er	-	1663		1968				ę.	ι	Ĺ	2	F113°69	1977
۵	355-645č 355-6432	Š			N	4		5-19	1968		MH MH	355-6935 355-3335	€	č		r	612394	1977
ĩ	395-1462	5			н	£	105.	3-19	1668		,-,	3,, 2,,				_		1976
		_	_			E	105	44.75	1969		દુલ	7 5, 6, <b>- (, 6</b> , 9, 8, 8	Ę	Ü.	į.	Ę	6110984 6113985	1976
N	355-65-5	S 3	_		H H	ۮ		57	1969		é n	355-6346	5	(	l L	Þ	1113569	1977
lt N	355-6545 355-6585	3			N	÷	10 5	Ú 1. 4 Š	167.		PH FH	355 <b>-</b> 0996 355-3596	5	ì	ī	ŧ.	6123534	:977
N	355-65-5				L	L	103	3++ر	: 574			• • • • • • • • • • • • • • • • • • • •				~	£113'69	1977
			. ,		N	ŝ	ra ₹	617€	13€5		hr	355-0397	•	5	į.	e E	6123-64	1577
4	355-2511 355-2511	2		] [	14	Ė		5335	7366		۲۲	355-0997	ž	U		•		
å	355-6924	•	•								<b>A</b>	355-1218	٠	ξ,		R	Tt 27623	1963
2	355-6512			<u> </u>	К	3		5576	1966 1966		4	355-1214	5	C	N	ξ.	1699942 (1895)	1963 1963
÷	355-6512		، د	Ĺ	N	ŧ.	104		• ,		ĘĘ	355-1215	2	S	N N	Ī	£ 33	1963
	355-1513		۵	۵	N	Ġ	153	35576	1965		n fi	355-1218 355-1218	ŝ 2	Ĺ	N	č.	Tueu521	1562
Ä	355-6513			č	N	ē	10-	6.15	1966		N	355-1210	Ę	Ċ	N	£	1260522	1968
-				_		;	763	35076	1985							2	1655545	1977
<u> </u>	355-6516			C C	N	ē		46315	1566		4	355-1253	٤	ž Ž	۲	-	7098515	1577
ù	355-6516		ŝ	_		-					t.	355-1263 355-1263	5		î	2	71 35515	1577
į.	355-(521		ن	C	N	ز.		35.70	1965		£	356-1263	5		N	2	T138515	1577
į.	355-6517		ŝ	٤	N	٤	1 -	40.15	1988		N	355-1253	2	C	h	i.	T ( 36 5 1 5 T 6 9 8 5 1 5	1977
				c	N	÷	t a	445.27	:966		N	355-1263	5	Ċ	_	•	1075.22	- /
2 t	355-1522 355-1522		s S	C C	N	4	1.0	44+69	1366		24	355-1293	τ	(i	N.	j	t 115615	: -7 6
Ň	355-1522		ذ	C	ħi	ĸ	Τü	446.69	1966		F 1	355-1293	ī	ć	N	J	E119518	1678
	_		_			_		. , . 46	1965						N	J	1229128	1978
N	355-(57)		S	ŗ.	N H	7		99737	19K8		6.5	355-1294 355-1294	1	÷	Ň	Ĵ	F11-F18	1978
N	355-657. 355-657.		S	č	L	:.		,,,,,			<i>k</i> 2	339-1634	•	-				
N	255-157		۵	L	N		TO	3 4 يان ۾	1975			356-1366	5	Ĺ	N		£135146	1976
			_		ta		1.0	27:23	1967						N	ن	E1.5.46	1576
٤.	396-101 396-101		?	î	**	•		ر. م د د ودا	1363		بدنع	355~1367	-	ī	,,	·		
ش و ۱۰.			Ĵ	1	të	•	: 1	7 9 - 3 1			į.	355-1320			٨	F	T(91464	1976 1976
E 4			S	4	٠.			3.5			ì	315-1327				F	\$ \$ 02499 \$ \$ 03464	1976
N	31961-1192		÷.	l,	N			505Z.			(-	355-1320	2	L L		5	169.50c	1978
N	350-601	,	~	í.							G	355-132.	-		**			
	355-00%	7	j	ί	и			127623			4	355-1335			L	J	1095739	1979
4	3594 762	1	5	L	24			, 944 44 1 ,			4	354-1331			N	J	T&99794	7 ( )
			5		16			1			_	34.5331					169.7,	
£ -	. კოსოსობ ქოსოსობ		:				. 7	5 - 1 5 2	1 1766		Į.	355-1331						1979
is le	350-651			į			1	1000	3 13.4		4	5 203						1576
								6.446	1500		1	35, 5 - 1 5 6					7101772 710162	
۵	\$65 <b>-</b> ( 55		į	Ĺ	,			35542			1	315-156			( N			
н	359.665	· 3	2	L	,	•					:	35 1-155		-	. "	•		
Δ	365-405	9	5	L		4		656.64			A	3-4-11-4	7	٤	į N	ż	1650025	: 564
N			۵	٤	,	• '	ų t	Ç IVA C L	6 257 5						, .	, 5	1655625	1989
	7 . 5		s	ε		4	~ f	07411	7 1370			195-164	ť	5	į N	١ ،		
* N	3 45 − Q H 1 3 4 − C 4			Ĺ				57432			4	\$ C Is = 1 /14	4	c	[ N	ı c	1056826	1514
								03.47	6 1 11 6		_						1056#2	1469
4			٤	ا :		٧ ~		Duni 2			£	166-166	3	٤	C N	•	1.656.621	• • • •
a	345-67	•	5	٠														
	10,5 × 67	7.5	د	C		r.j		16341										

PART C BIBLIOGRAPHY

## BIBLIOGRAPHY ON THERMOPHYSICAL PROPERTIES

(WITH T PREFIX)

```
1.00605
THE HARL SCHOOLIVITY OF TECHNICAL RATEPIALS AT LCH
TEMPERATURES.
ZAVARIZSKII N. V.
                     ZECLOVICE A G
ZHUN TERM FIZ
C F.K ENGLISH TRANSLATION SEE 17992 )
1.01045
HEAT CONDUCTIVITY OF STEELS
SCIMARA B C
TEFLOFICKGETIKA
          4 22-6
                             1955
                                     CA 53 7762
TSUSGBE
THEN HAL CONDUCTIVITIES OF SCUID MATERIALS AT HIGH
TEMPEFATURES
PLH: LL R H
LELEARCH /LONDON/
             432-531
                             1454 CA 49 7453
Tub: 10.75
HEAT CONSUCTIVITY OF STEELS AND A FEW OTHER METALS AT CONTRACTORES

DE MOSEL J
PHYSICA
             551-52
                           1951 LA 45 10169
17
DETERMINATION OF THE SPECIFIC FEAT AND THE HEAT
SCHOOTIVITY OF METALS UNSER NORMAL DUNUITIONS RERHENDZI E YU
ZHU- TEKN FIZ
                             1954 CA 49 15431
             1428-43
24
T101646
TEMPERATURE DEFENDENCE OF THE THERMAL AND
ELEUTRICAL CONCUCTIVITIES OF STEELS AND FERROUS MARD
ALLUYE.
WINNTYKOV. V. E. WINTYKOV. SER. FIZ.-MAT. ESTEST. NAUK F. ( 5 ). 29-43. 1951. FOR ENGLISH TRANSLATION SEE TEEG46 )
PRESSURE DEPENDENCE OF THE COEFFICIENT OF HEAT
CONDUCTIVITY FOR THE GASES MELIUM AND HYDROGEN AT LOW TE MERATURES
Janiak Ja
PHYSICA
              659-68
                             1947 CA 42 6188
DENSITY AND VISCOSITY OF SEAS AND METAL BATH IN THE
SYSTEM IRON-TURGSTEN-UNKOMIUM
LUSANA L
MÉT ITAL
                           1947 CA 42 3564
             5-11
1103366
INVISTIGATION OF THE PASCUSITY OF ALLOYS OF IRON AND
THE MIDM IN THE HARDS OF FEAR CONSIDER
SCKLACY ARAD NAUK LISE
                                       CA 44 E304
              653-4
                              1447
1003735
PEFLECTIVITY OF STEEL
ALIL R
NATURE
             315
                              1947 CA 41 3698
159
1004463
 MISSIVITY OF MULTEN IFON AND STEEL
KNOHES D. SERVANT R.J.
J. IKUN STOOL INST. ZEUNGONZ
155 577-92
                                     CA 42 M1
                              1447
TOUS 258
THERMAL CONDUCTIVITY OF SOME INDUSTRIAL MATCHIALS
U-1FF 11MS . E. POHELLY R. H. HILKMAN. M. J.
J INST FUEL
                              1942 CA 36 5579
1615644
VISCESITY OF MOLTEN STEEL.
VISTOCEART OF MODERN STREET
INVITATION OF THE CO. LAMBOT TYANGV. K. G.
TOCKARTICO A. T. SHOSHERROV. F. I.
TOCKARTICO A. T. SHOSHERROV.
TO 145-56 13-4 C4 39 (95)
```

1944 64 19 4953

```
TO THE FIRE AND TURITH, CAL CONDUCTIVITIES OF METALS AND ALLOYS. THE FIRE PRATER START ALLOYS FROM D TO MOS C.
 PCHILL H H
FREC PHYS 500
                                  381-392
                                                                            193€
                                                                                               PA 3 201
TE56523
   THE HEASINEM FIL OF THE TOTAL ENISSIVITY OF METALS
THE PURE NOTE OF THE TOTAL EMPSIVITY OF ME AND PURE NOTE NOTE TO THE AND THE VARIATION OF THE MISSIVITY ATTE TO THE AND THE VARIATION OF THE MISSIVITY ATTE TO THE APPLIED AND THE MISSIVITY ATTEMPTORS APPLIED PHYSICS THE MISSIVITY APPLIED THE MISSIVITY AND THE MISSIVITY APPLIED AND THE MISSIVITY APPLIED AND THE MISSIVITY AND THE MISSIV
EILENDER. W. PUTZ. E.
ELSTAR FR EILENE
ARCHIV EISCNHOTTENN
                                  619-622
                                                                           1938
T:06744
 AN INDUSTRIAL APPARATUS FOR DETERMINING THE THERMAL
CONGUCTIVITY OF P. TILS UP to 900 C. SANJUL. G. BONEY, F. CHAUSSAIN, M.
 METALLUKGIF
                                  303-309
2
                                                                            1936
                                                                                                MA 3 502
TCC6752
CONFILIENTS OF THEFFAL CONDUCTIVITY OF MATERIALS USED 1. THE CONSTRUCTION OF HEAT-EXCHANGERS.

FILE CANNE GIUSEFFE
 CHIM E IND
                          1 11-15
                                                                            1951
                                                                                                MA 20 392
1007288
EXPERIMENTS USING A SIMPLE THERMAL COMPARATOR
FUS MEDSUMMENT OF THERMAL CONDUCTIVITY, SURFACE
REMOMMENS AND THICKNESS OF FOILS OR OF SURFACE
 LEPOSITS.
POWELL R H
UJURNAL OF SCIENTIFIC INSTRUMENTS
1957 BR 7 5992
1007395
TROTAGE
CL- NEXT MAJOR METAL--TITANIUM.
LUT-OM ANCA.
F COUCT ENGINEERING
20, 129-152, 1949.
 T005212
THERRAL CONDUCTIVITY OF TECHNICAL ALLGYS AT LCH
THERRALIUM:S.
ZUGNITSYN S. SAVELEV I V
ZHUM TOKHN FIZIKI
                          9 835-807
                                                                         1939
                                                                                                    MA 11 147
 1005319
 HARMELETTFAHIGKEIT VON CHROMHALTIGEN STANLEN BEI
FRHEN TEMPERATUREN. MAURER SCUARD
 AHCH EISEMMUTTENH
                          4 145-154
 19
                                                                            193E
1,38653
 GAL TURBINGS -- USE OF STEEL UNDER HIGH-TERPERATURE
 CONSTITIONS.
                    с. с.
 Mall.
 THON AND STIEL 15 455-7
                                                                                                    CA 40 7126
CA 40 7126
                                                                             1946
                                    499-501 505 1946
HEAT DUNDOUTIVITY OF SCHOOL REAT-RESISTANT STEELS AS A COURT NOTE THE STATE AND UP THEIR THERMAL TREATMENT. A MICHARDAGETT R. E.
 T_FUCL +F NOTTIKA
                                                                                              C4 52 7069
                                                                            1 35 8
 1009351
 THE PHYSICAL PROFESCIES OF A SERIES OF STEELS. PART
 POR LE P W HICKMAN M .
 U THUN STEEL THUS VECNOUNZ
1 4 TE-121
                                                                            1746
```

T623369 1015966 THE THERMAL AND ELECTRICAL PROPERTIES OF IRON AND STREET, RECENT INVESTIGATIONS. POSTERIA DE LA PARTICIO FOR THE SIMULTARFOUS OF THE STANDARD AND ELECTRIC COLUMN TOURS. J HEST SCOT INCH STEEL INST KHSHIZ-ANOVSHIY. R. E. C.S. ATOMIC LINEAGY E (PMISSION, MASHINGTON, D. C. 1-4 1959

( ENGLISH TRANSLATION OF ZAVOC. SKAYA LAB. 23 8, 935-7, 1957: FOR CRICINAL SCE T1926C.) 1941 1.09376 ALLOY DIEELS FOR HISH TEMPERATURE STRVICE. II.
INCIA PROPERTIES CONFARCO.
MILLER P. SHITH & V. JERNINGS P.A. ( 4FC-1R-3613 ) METHES AND ALLCYS T115633 FIGH ALEOY STEELS FOR USE AS A THEFHAL CONCUCTIVITY PIGH ALLOY DIT STANDARDS FONELL R M TYE R P HRITISH JOURNAL OF APPLIED PHYSICS 11 195-8 1962 F 10 881-5 TUD992
THERMAL CUNDUCTIVITY OF TECHNICAL MATERIALS AT LOW THERMAL GUNGT: TEMFERATURES. RM 17 256-P 7AVARITSKII. N. V. ZELLCVICH. A. G. UV. FYYS. TECH. PHYS. 1. 1971-74. 1956. PRICE MERIT OF SCHOOMSTITES AS TREMAL TREATMENT PART 4. BUTTON CREATING BOTA ON THE MAL AND SECTION FOR THE CONDUCTIVITIES OF TRONG AND STEELS. CENSEISH TRANSCATION OF ZMUR. TEXH. FIZ.. 26 ( 9 ). 2030-6, 1956; FOR CRIGINAL SEE TUCOS ) PUP LL P H 190N STEEL INST /LONGJH/ SECO REPT 24 253-68 1939 A HEASUREMENT OF THE THERMAL CONDUCTIVITY OF STEEL. CAST TACKN. WRASS AT HIGH TEMPERATURES, AND A NEW FOUNCEST FOR THE THEORY OF BLUE-SHORTNESS OF PETAL. T. 16063 MEASURE 45 NO OF THE THEMHAL- AND TEMPERATURE CONDUCTIVITY OF METALS. THOOKORD. Y. VMAGALY TEAT JEETS AUGE L 454-66E SS MITT INST THERMODYNAMIK U VERBRENNUNGSMOTOFENBAU TUIG441
THE NEW METALS - MOLYBDEHUM, TITANIUM AND ZIRCCHIUM. 14 1-87 AUTHOR ANON. T016073 K & APPARATUS FOR PEASURING THE THERMAL CONSULTIVITIES OF METALS.

POCE K H FRITZ W WELDING J. 29. 32.-2, 1950. Z ANGEN PHYS 10 10 470-9 HEASURING THERMAL CONDUCTIVITY OF STEEL. BEZSUGNOVA N F 1958 CA 53 775 ZAVODSKAYA LAB A TIMPLE METHOD FOR MEASURING RELATIVELY THE THERMAL CONDUCTIVITY OF SPALL METAL SAMPLES.

FRITZ A BODE K M 856-50 1936 CA 30 7520 TU11399
PHYSICAL CONSTANTS OF SOME COMMERCIAL STEELS AT Z LNGEH PHYS ELEVATED TEMPERATURES.

BRIT. IRUN AND STEEL RESEARCH ASSOC. EDITOPS
PHYSICAL CONSTAITS OF SOME COMPERCIAL STEELS AT
ELEVATED TEMPERATURES 3 121-4 1960 CA 54 11681 T316204 LDRENZ CONSTANT FOR STEEL. HORGAN P. G 1-35 IKCH AND STEEL 28-38 1962 RM 17 88-P TC12283 AN INVESTIGATION OF AIRCHAFT HEATERS. XV. THE EMISSIVITY OF SEVERAL MATERIALS.

USELTER L M R. SKUMBERG R. GIER J T. NAT. ACVISORY COMM. AERO REPT. 1016224 PHYSICAL PROPERTIES OF PURE CHROMIUM AND TUNGSTEN STEELS. 1-13, 19+7. ( M4CA-R-H-19 ) STABLE IN. A-CH EISENHUTTENH 1929 CA 24 810 4 301-5 THE LIGUIOUS-SOLIDUS TEMPERATURES AND EMISSIVITIES 1016260 JE SUME COMMERIJAL MEAT RESISTANT ALLOYS.

SOM JAMES T. RASUNAS ANTON DE S. MARGER COCAR E
MUTALS TECHNOLOGY HEATING STEEL ALLOYS. TAITZ N YU 12 TF 1838 1-18 1945 FM 2 4-56 41-60 1935 T016291 THERMAL CONDUCTIVITY OF IRON AND STEEL. THE THERMAL CONJUCTIVITY OF SPECIAL STEEL. MARUE H J IRON STEEL INST / APAN/ 11 571-7 1925 TETSU-TO-HAGANE 1938 CA 33 4931 524-8 T014276 TUINGUSTRIAL INSTRUMENTS FOR CETERMINATION OF THERMAL COMMUNITY OF METALS UP TO 900 CEGRÉES.

RARQUE. G. HENRY, P. CHAUSSAIN, H.

AEV MET

33 602-8 1936 CA 31 1746 THYS.CAL PROPERTIES OF NIGHTL AND ITS ALLOYS. GUILLAUMIN J R FLV NILKEL 4 85-101 1951 MA 19 644 ( SEE ALSO TE744 ) T017035 TOITS AND THE COMPRIST OF THE FMAL CONTROL STATES OF THE FMAL CONTROL STATES ON HEATING IN MOLTEN SALTS. FURNING OF VINE AND ELEMANCE L. HAUGH DOPLARY MYSSEL SHKOLY MET. TC15260 PENFECTION OF SIMULTANEOUS CETERMINATION OF HEAT TRANSFER AND COMPUGATIVITY OF STEEL. RAZEY/MANDVSKII R E ZAVOGSKAYA LARCHATORIYA 1959 CA 54 16329 94-163 23 925-7 1557 MR 31 52-F ( FOK (NGLISH THANSLATION SEE T15565 ) TU17197
HEAT-NESISTANT PRICKEL-PASE ALLOY/ KHIEN35WHT
AUTHOR ANCH. MITALLURELINIE TERPICHESKAYA LOGANITRA METALLOV

f 1 }, n1-4, 196.

f bok notion translation bet 721556 }

DETERMINATION OF TRUE HEAT CAPACITY OF HEAT-RESISTING STEELS. LYUSTERNIK V E FIZ HETAL I METALLOVED AKAC NAUK SSSR 7 363-6 1959 CA 54 8537 (FOR ENGLISH TRANSLATION SEE T21240 ) THE AND ELECTRICAL CONGUCTIVITIES OF METALS AND ALLOYS AT LOW TEMPERATURES. IV. SCHE HEAT RESISTANT AUYAMA, S. ITO, T. NIPPUN KINZOKU GAKKAI-SI 40-2 CA 36 5742 1940 T.19036 HEAT CAPACITY OF METALS. ANDRIANCYA T N HAUCH DOKLASY VYSSHEI SHKOLY ENERGET 1 145-57 1959 CA CA 53 21516 7619074 HORKABILITY OF HEAT-RESISTANT ALLCYS. GOLUBEV, S. A.
DBRABCIKA ZHARUPROCH. SPLAVCY, AKAD. NAUK SSSK. INST. .C3VONINZAP 226-30 CA 54 18281 1960 T013328 AUTOMATIC CALORIMETER FOR DETERMINATION OF THERMODYNAMIC PROPERTIES OF HEAT-RESISTANT STEELS. LYUSTERNIK V E PRISORY I TEKH EKSPERIMENTA 4 127-9 1959 CA ( FOR ENGLISH TRANSLATION SEE T27827 ) CA 54 7251 COMPARISON OF TOTAL EMITTANCES WITH VALUES COMPUTED FRUM SPECTRAL MEASUREMENTS. BEVARS J T GLNKEL R V GIER J I TRANS ASME 1465-16 1958 CA 52 21151 80 T621371 METALS FOR SHORT TIME SERVICE AT HIGH TEMPERATURES. MATERIALS AND PETHODS 117-32 1955 JUNTRIBUTION TO THE DETERMINATION OF THE REFLECTIVITY OF METALS IN THE VISIBLE AND ULTRAVIOLET LIGHT. FOR FRAGSTEIN KONKAD ANN PHYSIK 17 1-21 1933 1021613 PROPERTIES OF SOME METALS AND ALLOYS. INT ANATIONAL NIGHTL COMPANY INC., N. Y. THE INTERMATIONAL NICKEL CO., INC. 30P3. . 1960. 1021976 TEMPERING PROCESS IN GAMMA-TYPE HEAT-RESISTING ALLIYS. PT. 1. GHANGE IN PHYSICAL PROPERTIES DUFING TEMPERING OF GAMMA FE-CO-CR-NI BASE HEAT RESISTING ALL DY . LON-155. IM-I. Y. MA MASUMOTO. T. TET SU-TO-MAGANE 139-45 1961 RM 18 245-N 1621240 THE MEASUREMENT OF THE TRUE THERMAL CAPACITY OF HEAT-R-SISTING STEELS. LIUSTICANIK V E LIUSTELNIK V E
PMYS M:TALS METALLOG ZUSSRZ
7 3 40-3 1959
( ENGLISH THANCLATION OF FIZ. METAL. I METALLOVEC. 7 ( 3 ). 363-6. 1959; FOR CRIGINAL SEE T17856 )

RELATION BETHEEN THE ELECTRON AND PHONON PARTS OF

LA 54 10469

MEAT CONSUCTIVITY IN STEELS.

6 19-45 29 535-45 1959 UA 5 t FOR FRUITSH TRANSCATION SEE T23487 F

KRZ-17HANJVSKII R E ZHU - TERM FIZ

```
39
KHINGSOVMT ZEILGZZ HOT-STRENGTH STEEL GATA SHEET
SUPPLEMENT NG. 1. AUTHUR ARGN.
MITAL. SCI. AND HEAT TREATMENT
(1), 67--, 1960.
(ENGLISH THANSLATION OF METALLOVED. I TERM.
OMFA ICTKI PETALLOV. . ( 1 ) . 61-4. 1960: FOR CRIGINAL
SEE 117197 1
FAT TRANSFER AND THERMOUTHANIC MODELING.
RINGLICKIY. N. A.
TEPLOPERICICHA I TEPLO. MOCEL.
418PP. 1943.
I FUR ENGLISH TRANSLATION SEE T22674 1
T322674
NEW METHOD FOR DETERPINING THE HEAT CONDUCTIVITY OF
MOLTER METALS IMETHOD OF SUCCESSIVE STEADY STATES!
NIKOLSKIY N A
U.S. ARMY ENGR. RES. CIV. LABS. . FT. BELVOIR. VA.
T2-87, 1960-
( ENGLISH TRANSLATION OF TEPLLOFEREDACHA I TEPLGUCYE
MODELIPOVANIYE, 1969; FOR CRIGINAL SEE T22673 )
( MCL-222 ( V ). AC-281770 )
1123267
RACIATION METHOD FOR TEMPERATURE MEASUREMENT OF
METALLIC SURFACES IN THE 103-900 DEGREE RANGE.
RULNAYA A I ROSTREM Z G
TRULY VSESOYUZ NAUCH-ISSLEEDVATEL INST HETRCL
                                 1.458
               95-137
T023487
THE RATIO OF THE ELECTRON AND PHONON PARTS OF THE
THERMAL CONDUCTIVITY IN STEELS.
KRZHIZHANOVSKII R E
SCVIET PHYSICS-TECHNICAL PHYSICS /NEW YORK/
4 4 481-6 1959 SA 63 7861 (ENGLISH TRANSLATION OF 2H. TEKH. FIZ. 29 ( 4 ). 539-45, 1959; FOR CRIGINAL SEE T21262 )
AUSTENITIC HEAT RESISTING FOLDS AKEN STEEL.
VOUSEDALEK J
STROJERENSTVI
               439-44
                                 1959
                                           RM 16 11760
1023641
HEAT AND ELECTRICAL CONDUCTIVIES OF CHROME-NICKEL
AUSTENITE STEELS.
NEIMARK B E
TEPLOENERGETIKA
               48-52
                                 1958
                                            BR 7 7303
T023643
THE MATERIALS FOR CONDENSER TUBES.
FUJII. Y. TETSU-TO-MAGANEZU IRON STEEL INST JAPANZ
               568-75
                                 1935
                                                 3
21
                                           MA
HEAT CAPACITY OF STAINLESS CHRONIUM STEELS.
LYUSTERNIK V E
FIZ METAL I METALLOVED AKAD NAUK SSSR
11 368-74 1961 CA
PACPETTIES OF MATERIALS, IRONS AND STEELS. AUTHOR ANGN.
MATERIALS IN DESIGN ENGINEERING
2. . 36-75PP. . 1959.
SALIATION SUPPRESSING CUATINGS FOR METALS AT ELEVATED
TIMPERATURES.
SULLY. A. H. BRANDES. E. A. HATERHOUSE. R. P. FULMER RESEARCH INSTITUTE. LONDON, ENGLAND
                     BRANDES. E. A.
LELGIAL FIFURT NO. 1, 1-24, 1953.
CORRESTON AND PROCEPITATION PROPERTIES OF NEAT FOR TANY ALL MOLESTEELS FOR FUTROCHEFICAL AND CIL
    . . . . ING . ASING . RING.
```

STREET PLUE HERMANN FILL UND FOREE

371-4

296.1

6M 18 430-A

1325315 MON-FERRIOS METALS IN MISSILES. CCRNALL F N OFTERMINATION OF THE EMISSIVITY OF STAINLESS STEEL AFTER VARIOUS SURFACE TREATMENTS AS A FUNCTION OF TERMINATURE:
KUTAN A STRIGIN 9 K
TERLOFIZINA VYSONINH TEMPERATUR METAL INCUSTRY 162-7 1961 RM 18 628-P T025045 1 1 70-7 1963 ( FOR ENGLISH TRANSLATION SEE T25268 ) THICKEL CONDUCTIVITIES AND ELECTRICAL RESISTIVITIES OF SEVERAL METALS PROPOSED FOR USE IN GAS TURBINES. PURILL R W 1326428 THON STEEL INST MECHOCK SPEC REPT 43 315-8 1952 FREHALLY AND HEAT CAPACITY OF HICHRONE AND CAREON AND ALLOY STEELS. SURHANUV E L SEFÉERENNIKOV N N TH URALSK POLITEKHN INST SB 114 81-5 1961 TOURS TO AN AUGUST AND AUGUST AND AUGUST AND AUGUST AND AUGUST AND THE AUGUST A CA 57 13482 TJ27653
EFFECT OF THEPMAL TREATHENT ON THEPMAL AND ELECTRICAL CONDUCTIVITY OF 15KH12VHFZEI6027 STEEL. K-ZH17MANGVSKII N E H:TALLUVED I TFRM CBRABCTKA METAL MACHINUSTRUEN 159-74 1957 2 46-9 1962 CA 56 13895 ( FOR ENGLISH TRANSLATION SEE T30679 ) T623349 THE MAL CAPACITY OF CHRIMIUM STAINLESS STEELS. USING E1692 STEEL FOR HORK AT 800 C. LUPAKOV I S. VGEIKUV V P. METALLOVELENIE I TERMICHESKAYA GRRABOTKA METALLOV 49-51 1362 FM 19 366-P SPECIAL CORROSION RESISTANT REFRACTORIES. NUBLE. R. W. CORKOSION 6KUHN. R. H. EFFECT OF COLD DEFCRMATION AND AGING ON THERPAL 10 92 94 95 98 1959 CONJUCTIVITY, ELECTRICAL RESISTIVITY, AND THE LORENZ NUMBER OF CHROMIUM-NICKEL AUSTENITIC STEELS.

NEIMARK B : BYKCVA T I T025429 CENTAIN PROBLEMS RELATED TO THE VISCUSITY OF FUSED MEIMARK DE BYKEVA T F17 METAL I METALLEVED ALTALS. 58 7658 SHITICHCUSKIY, Y. MATICH A CHINISTRATION NATIONAL ACKNOWLIGG AND SPACE ADMINISTRATION ( ENGLISH TRANSLATION OF NEKOTCRYYE VOPROSY VYAZKOSTI HASPLAVLENNYKH METALLOV., GITTL, MOSCOH. JETHETE MISS DATA SHEET NO. 77. AUTHOR ANON.
ENGINEERING MATERIALS AND DESIGN
5 ( 2 ). 133P., 1962. 1-236, 1955; FCR ORIGINAL SEE 125430 ) ( NASA-TF-F-88 ) IN PRUBLEMS RELATED TO THE VISCOSITY OF FUSED AN AUTOMATIC CALORIMETER FOR THE QUANTITATIVE THERMAL HETALS. ANALYSIS OF HEAT-RESISTANT STEELS. LYUSTERNIK V E
INSTR EXPTL TECH USSR
4 647-90 1959
( ENGLISH TRANSLATION OF PRIBORY I TEKH-SHVIDKOVSKIY. YE. G. MEKSTORYYE VOPROSY VYAZKOSTI RASPLAVLENNYKH METALLOV. GITTL. MOSCOH 1-275 1955 ( FOR ENGLISH TRANSLATION SEE T25429 ) KSPERIMENTA, NO. 4. 127-9. 1959: FOR URIGINAL SEE T019328 ) T027960
THE TEMPLEATURE DEFENDENCY OF THE ELECTRICAL RESISTANCE OF FUZE IRON AND STEEL WITH PARTICULAR REFRENCE TO PHASE CHANGES.
KOPLHAAS. P. RICHTER. F. THE EMCPHYSICAL PROPERTIES OF NICKEL-CHROMIUM-IRUN ALL DYS. NEI IARK B E LYUSTERNIK V E BYKJVA T I HIGH TEMPERATURE ARCHIV FUR DAS EISENHUTTENHESEN 1 9-12 1963 ( EAGLISH TRANSLATION OFTEFLOFIZIKA VYSOKIKH TERFERATUR, 1 ( 1 ), 12-6, 1963; FUR ORIGINAL SEE 291-9 RM 19 748-F EVILUATION OF THE NET RADIANT HEAT TRANSFER BETWEEN SPECULARLY REFLECTING FLATES INCLUDING COMPUTED THE PHOPHYSICAL PROPERTIES OF NICKEL-CHROMIUM-IRON EMISSIVITIES. FOLT V E GROSH K J GE INTERN J HEAT MASS TRANSFER E 755-8 1 ALL IYS. GEYNET R NEI MARK B E LYUSTERNIK V E ANICHKINA E YU BYKJVA T I TEP LUFIZIKA VYSOKIKH TEMPERATUR 1 1 12-16 1963 ( FIR ENGLISH TRANSLATION SEE T26219 ) 1028663 EETERMINATION OF THERMAL CONDUCTIVITY AND HEAT CAFACITY OF STEELS. 1023268 JET FRINATION OF THE EMISSIVITY OF STAINLESS SIEEL AFT.A VARIOUS SURFACE TREATMENTS AS A FUNCTION OF ZHUR TEKH FIZ 6 1011-36 1935 TEMPERATURE.

STRIGIN B K PLANT SUPERVISION IN THE MANUFACTURE AND PROCESSING HIGH TEMPERATURE OF MIGH-CANDE STEEL AND THROUGH IT LIMITED 1 1 24-6 1983 E ENGLISH TRANSLATION OF TEFLOFIZINA VYSOKOKH FOR BUSTICH MESEARCH. TEMPERATUR. 1 ( 1 1. 50-2. 1:63; FUX ORIGINAL SEE PERAGE PLICEF STANL U LISEN 126769 1

93-9

1930

T333058 SUITABILITY OF E I 692 STEEL FOR SERVICES AT 800 C. LUPAKCY. I. S. METAL SCIENCE AND HEAT TREATMENT OF METALS 78-6. 1902 ( ENGLISH TRANSLATION OF METALCOVER. I TERM. OBRIBOTKE METALLOV. 49-51. 1962; FOR ORIGINAL THERMAL CONDUCTIVITY AND SIFFUSIVITY OF PUROUS SINTER MAI FIAL. RICHTER W ABHANGL DEUT AKAD WISS BERLIN KL MATH PHYSIK TECH 1 99-107 1562 CA 59 1325 EVALUATION OF THE NET RALIANT HEAT TRANSFOR BETHEEN SFECULARLY REFLECTING PLATES. HOLT V E GROSH R J GEYN HOLT V E GROSS BELL SYST TECH J GEYNET R 6 1865-77 1962 AM 16 3555 TU33679

EFFICT OF HEAT TREATMENT ON THERMAL AND ELECTRICAL CUNJUCTIVITY OF 15KH12VMF E I 832 STEEL. 
KEZHIZMANGYSKII. A. E. 
HETAL SCIENCE AND HEAT TREATMENT OF METALS 1-2 77-8 1962 RM 20 642-P 1 ENGLISH TRANSLATION OF HETAL. I TERM. OBF. METAL. 2. +6-9. 1962; FOR ORIGINAL SEE 727650 ) EVALUATION OF THE THERMAL CONDUCTIVITY AT MODERATE AND MIGH TEMPERATURES. PT. 2.
RICHTEP, M. LIPPMANN. S. ARNHOLD, A. RICHTEP. W. LI.
NEUI HUTTE
8 6 366-7J 1963 RM 20 83984P T031061 INFLUENCE OF ACCITIVES ON VISCOSITY OF MOLTEN STEELS. KRESHCHANOVSKIINS SICCFENKOM F RUSSIAN CASTINES PRODUCTION 12 559-64 1963 RM 21 G2786D ( FIGURE PROTZYGGSTVO ( 12 ) P. 19. 1963; FCR URIGINAL SEE T32700 ) EXPRESIMENTAL GETERMINATION OF SCHE PHYSICAL PRUPERTIES OF ALLOYED STEELS. HEIMARK B.E. TEP . OLNERGETIKA 3 3-13 1955 C4 49 10820 TC31645 CONTECTION BETWEEN THE PROFERTIES OF STEEL IN LIQUID AND SCLIU STATE. KREIHCHANGVIKIU N S SIUCKENKO M F 174 STIYA VUZ--CHERNAYA METALLURGIYA RM 20 601-P 131-5 1962 HEAT TRANSFER BY RADIATION. PADIATION OF THE BUNDARY LAYER SHOCK AND MEASUREMENT OF EMISSION FACTURS OF METALS. DE ISTOILE, H. MUSENTPAL, L. ADVISURY GROUF FOR AEMONAUTICAL RES. AND LIVEL. O t 1 FARIS 1 1-52. 1958. 1 AGANU-211, NE3-21549 ) THE INFLUENCE OF THE TEMPERATURE REGIME OF MELTING ON THE VISUOSITY OF LIQUIN FIGH-ALLDY GTEFFE.

ARTCHCHANOVSKII N. SILCHINKO M.F.

17V VYSSHIKH UUHEBN ZAVEUENII CHERN HET. 1963 CA 61 5286 11 60-4 103:695 VISUOSITY OF HULTEN STEEL AND THE EFFECT OF CERTOM AND CALCIUM.

KHI HEHANDYSKII N S SICCHENKO M F AYPLANKA STALT DLYN FASON LITYA CA 60 10279 P2 - 14 1563 INFILITING OF MUDIFYING AGENTS ON VISCOSITY OF LIQUID

SIDCHENKO M F

12 19 1965 PM 21 985580 E-FOR FROLIGH THAN JUNE TOTALE TO

Sterker

KHE JHEHANDVSHIY N S LIT INDE PROIZVOOSTVO 12 19

INFHA-KED EBSORPTION BY METALS AT LOW TEMPERATURES. SAPANATHAN & G FREE PHYS SOC /LCNCON/ 532-46 1952 TL33205 RACIATION REASUREPENTS ON FLATING ELEMENTS IN THE SPICTRAL REGION 3.5 - 7 MU. FULLER J ELEKTROTECH 70 15 427-31 THE HIGH-CHROMIUM HIGH-COBALT TYPE STEELS FOR HCT-WORK DIES. NISHIMURA T TETSU TO HAGANE 10 1449-57 1964 CA 63 12749 EXPERIMENTAL DETERMINATION OF THE COFFFICIENT OF THERMAL CONDUCTIVITY FOR SOLIDS AT TEMPERATURES THERMAL CURBULITY FOR SOLITS AT TEMPERATURES FLORIDS DEGREES.

BANAEV A M. CHEKHOVSKCI V YA

TEPLOFIT TYSCKIKH TEMPERATUR AKAD NAUK SSSA

1 57-63 1965 CA 62 15827

C FOR ENGLISH TRANSLATION SEE T038626 ) TE 35576 THEMMAL CONDUCTIVITY OF ALLOYED AND PLAIN STEELS AND ALLOYS AT TEMPERATURES BETWEEN 20 AND 700 DEGREES. BUNGAPOT K. SPYRA M. ARCH EISENPUETTENH 36 4 257-67 1965 CA E3 1528 (FOR ENGLISH TRANSLATION SEE T46015 ) 1035577 THE THERMAL GONDUCTIVITY OF PURE IFON AND SCHE FLERITIC AND AUSTENITIC STEELS BETWEEN THE TEMPERATURE OF LIGUID AIR AND ROOM TEMPERATURE. KCHLHAAS R KIERSPE W ARCH EISENHUETTENN 36 4 301-9 1965 CA 63 1529 ( FCR ENGLISH TRANSLATION SEE T46016 ) FER-OMAGNETIC STREET AND IRON RASED ALLOYS. LYUSTERNIK V YE FIZ METAL I METALLOVED 19 5 694+8 1965 ( FOR ENGLISH TRANSLATION SEE T39718 ) 1036045 COMPLEX DETERMINATION OF THE PROPHYSICAL PROPERTIES OF JULIOS RY IMPULSE-ACIABATIC METHOD. EGG TOV. B. N. KILLISO. V. S. TEHLOFIZ. SVOISTVA TVEHC. TEL. VYS. TEHP.. TR. VSIS. KUNF. 65-71PF.. 1971. T036760 PHYLICAL PROPERTIES OF KHIT NY YU STEEL. NEIMARK S F LYUSTERNIK V E HIGH TEMPERATURE KGRYTINA S F 2 5 652-5 1964 ( ENGLISH TRANSCATION OF TEPLOFIZEA VYSOKIKH TEPPERATUR, 2 ( 5 ), 725-9, 19641 FOR CRIGINAL SEE 136329 1 CONTINUOUS MEASUREPENT OF THE THERMAL CONDUCTIVITY OF M. TALS IN THE TEMPERATURE FANGE RETHERN LIQUID AIR AND AUGH TIMPERATURE.

KIEPSPE - VOHLHAAS R
7 ANGEM FMYS 361-4 1964 CA 61 5224 ALFARATUS FOR MEASURING THERMAL CONDUCTIVITY OF CHARACUL FOR MEAGURING THERMAL CONDUCTIVITY
CHARACUL AND METALL AT LEVATED TERMFHATURES.
HULL TURYC INST TREMNUL
55 51-82 1963 AM 17 475 TANCHA S ISHINAHA I AH 17 4759

Tu 11083 IN TALCATION FOR MEASURING HEAT CAPACITY AND THERMAL CONSISTIVITY OF MITHER AT HIGH TEMPERATURES AND SCHE VALUEL FOR PERT - CONSISTANT ALLUYS. CHONONIA A F BABANOV A A KAGANOV M A CHONONIA OF OPENMANOVA M A IN LENINGR PULLICKHN INST CA 61 6727 224 203-15 1963 PHYSICAL PROPERTIES OF KHIT NT YU STEEL.
HELMARY BE LYUSTERNIK V.E. KORYTINA S.F.
TUMLOFIZIKA VYUGKIKH TEMPERATUR 725-4 CA 62 3732 1954 I FUN INGLISH TRANSLATION SEE T36780 1 TOTAL OF DETERMINATION OF MADIATION PROPERTIES HIS THE THE STATE OF AUGUSTY OF MATERIALS AND RESULTS OF INVITE ATTEMS OF MUNDER OF METALS AT THE FORESTOP NAMED TO THE STATE OF THE ST FERRISE C. F. KOMEROV. IU. A. GCROON, A. R. EER. OP. 7. SVGISTVA TVERD. TEL VYS. TEMP.. TR. VSES. KON! . 17c-81FP. . 1971. TERRORS

TOUT OF MULTI-LEYER INSULATION.

FOLICITSTILL V ARRADEV B A

TERRORMENTETIKA

TERRORMENTETIKA

TERRORMENTETIKA

TERRORMENTETIKA

TERRORMENTETIKA ( FUR ENGLISH TRANSLATION SEE T38610 ) T1138610 11 1 44-5 1964 Condition Translation of Terloenergetika 11 ( 1 ). 35-40. 1964: For Oxiginal See T38609 ) 1034626 FREE IMPATAL OLITERMINATION OF THE COEFFICIENT OF THE PAR CONSCIOUSLY IT OF SCHO MATERIALS IN THE TERMINATURE RAPISE 234-10.4 C. 311 A . . . A . (1 CHEKHOVSKOI V YA 3712. A () CACHDVSKOI V TA
M.UH TEMPERATURE / USSK/
( ) 47-22 1565
( ) (ACLISH TARASLATION OF TERLOFIZ. VYSOKIKH
TEMPERATUR 3 ( ) ), 57-63. 1965; FUR ORIGINAL SEE 735445 ) HO IFIED NUNSTATIONARY METHOD OF DETERMINING THE AND HELD NONSTRUCTURENT HEINELS AND HEINELS KUMARGY YU A SONION A R TRUSHEVSKII S N BARANOV V I GELICTEKHNIKA 16-22 1039236 A LIVEY OF THE EMISSIVITY OF SOLID BODIES. HITUM V V KONDPELKO I N HITUM V V KONDPELKO I N TEMEDONENGETIKA 13 7 67-71 1966 (FOR ENGLISH TENASLATION SEE T41003 ) TEMPERATURE DEPENDENCE OF THE HEAT CAPACITY OF TEMPLEATURE DEPENDENCE OF THE BEAT CAPACITY OF FRANCISCH TIES AND IRON BASED ALLOYS.

LYBUSTONIK V YE HAVY METALS METALOGS

19 5 48-51 1965

( ENULISM TRANSLATION OF FIZ. METAL. I METALLOYER...

19 ( 5 ), 694-8. 1965; FCN CKIGINAL SEE T35615 1 THEATAL CONDUCTIVITY AND ELECTRICAL RESISTIVITY OF STEELS. TYP & P EN-INEER 271 358-71 1966

THE THERMAL AND ELECTRICAL CONDUCTIVITIES OF METALS

1938

EGITION UNIV. . EJINJON. ENGLAND. PH.O. THESIS

1040268

AND ALLOYS.

1-74

GLADS-TO-METAL SEALS. IT. CCN DUCTIVITY IN THE UPPER ATMOSPHERE. FULLS A. W. BUNGERS E. L.
J APPLIEU FMYS NAVIAS. L. 698-707 PA N66-4-24 4718 1-36 1966 1040744 MITHOUS FOR THE GETERMINATION OF THE SURFACE TEMPERATURE. THE AUGCA-TICK NUMBER AND THE THERMAL CONDUCTIVITY OF LCCSE THIN CCATINGS. FFASGLOV F S IZV VYJSHIKH UCHLO ZAVECÉNII PRIBOROSTROENIE USSR 122-31 5 3 122-31 1962 ( FOR GERMAN TRANSLATION SEE TOWNT45 ) METHODS FOR THE DETERMINATION OF THE SURFACE TEMPERATURE . THE ABSCRAIN NUMBER AND THE THERMAL COMBUCTIVITY OF LCCSE THIN COATINGS. PHASOLDY & S SPECIAL LIGRARY ASSUG.. TRANSLATIONS CENTER 1-15, 1965. CEPMAN TRANSLATION OF 12V. VYSSMIKH UCHEB. 74VEDENT: FRIBCROTFFCLATE USSA, 5 ( 3 ), 122-31, 1412; FUR CRIGINAL SEE T040744 ) ( TT-65-28295 ) EFFECT OF INGCULANTS ON THE VISCOSITY OF LIGHT STEELS. STEELS.
KEESHCHANOVSKII N.S. SIGGRENKO N.F.
IZVEST VYSSHIKH UCHLB ZAVEGENII CHERNAYA NET
6 9 142-4 1963
( FOR ENGLISH TRANSLATION SEE TO43175 ) TG41003 A STUDY OF THE EMISSIVITY OF SOLIO BOJIES. MITOR V V KONOFELKO I N THERMAL ENGINEERING 13 7 92-7 1966 ( ENGLISH TRANSLATION OF TEPLCENERGETIKA: 13 ( 7 ). 13 67-71. 1966; FCR CRIGINAL SEE 1039236 > FIZIKO-KHIMICHESKAYA MEKMANIKA MATEFIALOV 2 3 304-7 1966 ( FOR ENGLISH TRANSLATION SEE T044276 ) CHAPTION OF THE SIGNA-PHASE IN IAON-45 PERCENT CHAPTION ALLCYS AND THE EFFECTS OF HOLYBDENUM AUGUSTIONS ON ITS DILATOMETRIC PROPERTIES. KUMAUA. 11PPON KIN7OKU GAKKAISHI 30 ( 8 ), 725-9, 1966. EFFECTS OF THE STATE OF THE SURFACE OF STEEL 1KH18N9T ON THE TOTAL EMISSIVITY COEFFICIENT. SALA A PRACE INST MECH PRECYZYJNEJ 1 14-17 1966 CA 65 19775 HEAT CONCUCTIVITY AND ELECTRIC FESISTANCE OF STEEL ET211. NSIMARK B t VCRCHIN L K ENERGOMASHINOSTRCENIE 1965 CA E4 6199 1342778 NEW MEASURIMENTS ON THERMAL CONDUCTIVITY REFERENCE MATERIALS.
FOHELL R M. TYE R P. INTERN J HEAT MASS TRANSFER

10 5 581-96 1 1967 1342814 THERMAL FEMILITION ARSORPTION OF METALS AND LAYERED INCUCATIONS AT 80 K. COLYER. B. NATE. INST. FOR RES. IN NUCLEAR SCI., MARMELL, ENGL. 1=10. 1965. ( 6164-8-83. N66-18788 )

THEOREM OF SUME STEELS AND ALLOYS AT 19-308 K.
THEOREM YOUN SUMMANDY YOU
METAL SCIENCE HEAT TREATMENT METALS 9 702-3 1967 Cholish Transcation of Metallov, Term. Corab. METHL. . (4) . 61-2. 1907; FUR UNIVINAL SEE 147148 } DESTRAINATION OF THE COEFFICIENT OF LINEAR THERMAL EXMANSION OF MITTALS AT T CEGREES C. MAKIN, S. M. STANDRING, J. HUNTER, P. M. MAKIN, S. M. STANDKING, J. HUNTER, P. P. JN: TEO KINGOGY ATOMIC ENERGY AUTHORITY, RISLEY. HUNTER. P. M. ENGLAND 1-0, 1953. ( RUB-/C/-TN-45 ) EFFECT OF INCCULANTS ON THE VISCOSITY OF LIQUID uTLELS. KRTSHCHANGVSKII N.S. SIUCKENKO N F HERRY BRUTCHER TRANSLATION CENTER 1-5, 1966. I ENGLISH TRANSLATION OF IZV. VYSSH. UCHER. ZAVED. CHERN. HET., 6 (9), 142-4, 1963; FOR ORIGINAL SEE T40777) ( HB-6313. NCH-204236 ) FUSEC VACUUM-TIGHT, METAL-TC-CERAMIC, GEMAMIG-TO-GLASI METAL-TC-GLASS, AND METAL-TC-MICA SEALING BY POWERED GLASS TECHNIQUES. ANTON N CERAMIC AGE 1 15-19 63 1954 T843552 HEAT CACHANGE SETHEEN CONTACTING PARTS-DYMAN E P KUMDAK N M SHVEP I T IZV AKAD NAUK SISR OTDEL TEKH NAUK 9 63-79 1954 TC +3997 HE IT EXCHANGE BETHEEN CONTACTING PARTS.

173AN E F KCHCAN N M SHVETS I T

127EST AKAD NAUK UZBEKSKOI SSR

9 63-79 1954 16-4276 PH SICH-MECHANICAL AND CORNESION PROPERTIES OF HEAT RESISTANT STAINLESS STEEL EP-479. SM PNOV V V POKHMURSKII V I BOLTAROVICH A BOLTAROVICH A V SOVIET MATERIALS SCIENCE 3 216-20 1966 tinglish translation of FIZ. KHIM. MEKH. MATEK., 2 (3). 344-7. 4366; FUR ORICINAL SEE T41896.) APPARATUS FOR MEASUREMENT OF THERMAL CONDUCTIVITY ON SMELL SPECIMENS. VISHNEVSKII I I SKRIPAK V N UGNEUPORY USACUPURT 12 13-19 1966 CA 66 59563 (FUR ENGLISH TRANSLATION SEE T46599 ) SPECTRAL EMISSIVITY OF MATERIALS IN THE TEMPERATURE SHIP NOW EV ADNUKASHOV VU A TENCEFEZ VYSOKIAH TEMPERATUR

( 4-7 1967 5 1 44-7 1967 CA 66 107457 1 FOR ENGLISH TRANSLATION SEE T45327 ) 3.2 PHYSICAL-MECHANICAL AND TECHNOLOGICAL PROPERTIES OF OKNIZANIBHADAT ZELAYAZZ STEELY FESISTANT TO SULFURIC ALID. POSYSAEVA L I ZASHCHITA HETAL 1966 CA 65 18240 4 450-6 THERE DIFFUSIVITY DETERMINATION OF CAST STEEL. SAMUILCUICH YU A SLOKE IN E P

INTH-FIZ ZHUR

1645247

6 27-31

1 11 -7

1964

1507 (8 67 35941

TOWSTAY

WALL PITHUM FOR HEASURING HEAT CONGUCTIVITY OF

MATERIALS AT LCH THHERATURES.

L-HOLLARY M.T.

MORESH MET

1:45327 CRECTRAL EMISSIVITY OF MATERIALS IN THE TEMPERATURE RANIE IN 100 TO 1100 C.
SMIRNIVE V KUNERASHOV YU A HIGH TEMPERATURE USSK ( ENGLISH TRANSLATION OF TEPLOFIZ. VYS. TEMP., 5 (1). 44-7. 1967: FOR ORIGINAL SEE T44552 ) THIRMAL CONDUCTIVITY OF SOME PETALS AND ALLOYS AT 4.2-273 K. A B VOCIASM KHOTKEVICH V I ZI CHINISEN G M KOZINEI V V INZH FIZ ZH 12 5 675+7 1967 CA 67 85620 I FOR ENGLISH TRANSLATION SEE T61956 1 STEELS OF SEOXIDATION ON THE PROPERTIES OF SCHE STEELS IN LIQUID AND SQLID STATES. KPESHCHANOVSKII N S SPUMSKII V G IZV VYSSA UCHEB ZAVED CHERN MET 10 5 45-8 1967 CA 67 93171 TU46015
THERMAL CONDUCTIVITY OF ALLOYED AND UNALLOYED STEELS AND ALLOYS AT TEMPERATURES BETWEEN 20 AND 700 C.
BUNGARUT K. Spyra h. BRITISH IRUN AND STEEL INDUSTRY ( ENGLISH TRANSLATION OF ARCHIV EISENHUTTENN. 36. 257-67, 1965; FOR CRIGINAL SCE 135576 ) ( RISI-4664 ) THERPAL CONJUCTIVITY OF FURE IRON AND CERTAIN FERRITIC AND AUSTENITIC STEFLS BETWEEN THE TEMPERATURE OF LIBUID AIR AND AMBIENT TEMPERATURE. KONEHAAS R KIERSPE W BRITISH IFEN AND STEEL INDUSTRY 1- , 1966. ( ENGLISH TRAMSLATION OF ARCHIV FUER EISENHUTTENM... 36. 351-5. 1965; FCR GRIGINAL SEE T35577 ) ( BISI-4665 ) CONTRIBUTION TO THE PEAGUREMENT OF THE THERMAL CONDUCTIVITY OF METAGE IN THE RANGE OF 0 TO 500 C. KUSTER W. BOOL K. H. FRITZ M. KUSTER W BOOL K M FRI WARME UND STOFFUBERTRAGUNG 1968 129-39 METALLIC RAH MATERIALS. KREAS. W. FORMENSAU MUNSTST. -VERARB. 176-212. 1965. APPEARATUS FOR MEASURING THERMAL CONGUCTIVITY OF SMALL SPECIMENS. VISHNEVSKII I I SKRIPAK V N REFRA LTORIES 12 694-7 1966 ( ENGLISH TRANSCATION OF DENEUPORY, (12), 13-18. 1964: FOR CRIGINAL SEE T44488 ) T146345 HEAT RESISTANT CASTINGS--THEIR SELECTION AND AFFEIGATION. CLAUSER H R MATERIALS AND METHODS 79-90 1950 1046404 CONTRIBUTION TO THE STUDY OF THERMAL DIFFUSIVITY OF CONTRADUTACH - S SCLIDS. ZANKEL. K. UNIV. OF GENOBLE. GRENUBLE. FRANCE. PH. D. THESIS 1-52. 1967. TRACT CAPACITY OF SCHE STEELS AND ALLOYS AT 10-300 K.
TSIGWAIN Y G SUNHANCY V D
METALLOVED TERM GENAT METAL 1367 CA F8 33814 I FOR HULLIN TRANSLATION SEE THESIT !

TO+7237
GEASS USFS IN THE MANUFACTURE OF APPARATUS AND INSTRUMENTS.
DO JONG. J. US.
CONSTRUCTIEMATERIALEN
2 ( 1 ), 20-2, 1967.

TO-7932

AN EXPERIMENTAL INVESTIGATION OF MEAT AND ELECTRICAL CONSUCTION OF STEEL KM 18 NGT.

IVANUELINED G E
INVM FIZ ZHUR

6 128-31 1961

T048218
PHYSICAL PROPERTIES OF STEELS CKH15 N7 H2 YU,
UKH17 N4 H2 AND GKH17 N4NE MARK B YE VORUNIN L K KORYTINA S F
SHUBERHAK E I
FIT METAL METALLOVED
23 2 374-5 1967
(FOR ENGLISH TRANSLATION SEE T48219 )

TG48219
PHYJICAL PROPERTIES OF STEELS OKHIP N7 H2 YU,
AND CAH 1M N4 H2 AND OKHI7 N4.
NEYMGAR 8 YE VORONIN L K KORYTINA 5 F
SHOMERHAK E I
PHYS METALO METALLOG USSR
23 2 201-3 1967
( ENGLISH TRANSLATION OF FIZ. METAL METALLOVEG. 23
( 7 ), 374-75, 1967; FOR ORIGINAL SEE T48218 )

TC48538
STRUCTURAL CHANGES IN CHRCHIUM - NICKEL STEEL ALLCYED
HITH ALUMINUM.
SCHEV. K. V. SHVEDOV, L. I. PAVLENKO, Z. C.
LIVSHITS, S. L.
STEUKT. SVOISTVA ZHAROPROCH. METAL. MATER., AKAD.
NAUK S S S K, INST. MET.
215-22, 1967.

TJ-8753
SPCULFIC HEAT AT LOW TEMPERATURES OF EN-588 STAINLESS STEELS.
HARTIN J F
J.KON STEEL INST /LONDON/
204 1 56 1966 CA 68 97894

T349745

NEY MEASUREMENTS ON THERMAL CONDUCTIVITY REFERENCE
MATERIALS.

PUBLIC. H. H. TYE, R. F.

PRICEEJINGS OF THE CONFERENCE ON THERMAL
CONDUCTIVITY. 6TH

201-35 1966

TL49801

EFFECTS OF CHRCHIUM AND SILICON ON THE VISLOSITY OF

HCM-CHROHIUM-CARBON SYSTEM ALLOYS.

HLM E A GELJ P V KUCHEROV P V

IZV AKAO NAUK-SSEM METAL

2 55-3 1968 CA 69 12314

I FOR ENGLISH TRANSLATION SEE T60325 )

TUBBOOR
RADIATION PROPERTIES OF WHIRNOT STAINLESS STEEL
DUBLING HEATING IN AIR.
ZHOHOV G A SERGEEV V S
TEFLOFIZ VYB TEMP
6 2 34C-2 1968 CA 69 21420
I FOR ENGLISH THANSLATION SEE TS0921 )

TUSCOBS

JILLTCM:TRIG STUDY OF PHASE TRANSFORMATIONS IN HIGH-CHADMION STEELS.
HIGH-CHADMION STEELS.
HIGHEN OF JAHORA N F

12V VYSSHIKH WORLD ZAVED CHEPN MET

1 196-10 1963

( FOR ENGLISH TRANSLATION SEE T63811 )

TUSCOT?2

FROM HAL OFFFUSIVITY OF INON AND AUSTENITIC STEEL AT HISH TOMBERATURES.

SUNDRA H KIERSPE N KOPLHAAS R

7 NATURFORSCH

23 A 5 783-5 1968 CA 69 39274

T050343
MCASUFFMENTS OF THE THEFMAL CONDUCTIVITY OF THIN FILMS OF HAGNETITE.
LIS J K:LLARO P O
BRIT J APPL PMYS
1 9 1117-23 1968

TOSOLI9
LUM-TEMPERATURE SPECIFIC HEATS OF SOME POLISH TGOL
STEFLS AND STAINLESS STEEL.
MAZUR J ZACHARKC M
ACTA PHYS FOL
33 4 657-63 1968 CA 69 53785

T050499
APPARATUS FOR THE CETERMINATION OF THE TUTAL NORMAL EMITTATION OF THE TUTAL NORMAL 25G C.
ALFAND G BETTA V NATIONAL CONGRESS ATI
1-36 1968

T050683
PETHOD OF FAPIO CETEFHINATION OF THE CCEFFICIENT CF
TEMPERATURE CONDUCTIVITY OF SOLID AND LIQUID
SUBSTANCES.
ZHUZE, V. P. REGEL. A. R.
ZH. TEKH. FIZ.
22 ( 8 ), 1376-86, 1952.

T053921
AACIATION PROPERTIES OF TYFE KH18N9T STAINLESS STEEL
WITH HEATING IN AIR.
ZHOROV G & SERGEEV V S
HIGH TEMP
6 2 327-9 1968
( ENGLISH TRANSLATION OF TEPLCFIZ. VYS. TEMP., 6
( 2 ), 340-2, 1968; FOR CRIGINAL SEE T50002 )

TC52493
EXPERIMENTAL DETERMINATION OF THE COEFFICIENT CF
LINEAR EXPENSION OF METALS AND ALLOYS.
TOTSKII E E
TEFLOFIZ VYSCKIKH TEMPERATUR
2 205-14 1964
( FOR ENGLISH TRANSLATION SEE T52494 )

TO52494

EXPERIMENTAL DETERMINATION OF THE COEFFICIENT OF
LINEAR EXPANSION OF METALS AND ALLOYS.
TOTSKIL E E
HIGH TEMFERATURE
2 2 101-9 1964
( ENGLISH TRANSLATION OF TEPLOFIZ. VYSOKIKH
TEMFERATUR. 2 ( 2 ), 205-14, 1964; FOR GRIGINAL SEE
T52493 )

TOS3132
ANTICORROSIVE FERRITIC STEEL WITH WIDE UTILIZATION POSSIBILITIES.
9ARAF L
CONSTR MASINI
26 12 746-8 1968 CA 70 90043

TOSSISS
THERMOPHYSICAL PROPERTIES OF FIBER-REINFORCEO
PLASTICS. I. MEASUREMENT OF THERMAL FROPERTIES BY
PAGIATION FEATING.
TAKERNAKA, Y. CGAHA, K.
KYOKA PURASUCHIKKUSU
14 ( 4 ) , 131-9, 1968.

TUS3160
THERMAL EXPANSION CHARACTERISTICS OF SCHE
IFCV-CHROMIUM-HANGANESE-NITROGEN ALLOYS.
THEHAN Y N
NAT MET LAB-TECH J
10 2 31-4 1968 CA 70 22177

T053245
PRECISION INDUSTRIAL DILATCHETER.
BHANCHERIAU H HAVEZ H PERROUX H
VEFKES REFHACT
16 3 159-67 1962

T053276
FARAMITEPS CORFELATING ELECTRON AND FHONON
CINDMITIVITY AND A POTROC FOR DETERMINING THE LATTERS
K 744,74644, CRIT 9 1
1 FUR 17 VYS TEMP
6 1316-20 1468 CA 76 61916
C FOR ENGLISH TRANSLATION SEE T63919 1

1053437 RELATION PETHEEN THE PROPERTIES OF STELLS AND ALLCYS IN THE SOLIO AND HILTEN STATES.
BAUM & A TYASUNOV & V IZV ARAD NAUK SSSR METAL 1 229+33 1969 CA 76 76564 ( FOR ENGLISH TRANSLATION SEE T62272 ) TC 33488 THERMOPHYSICAL CHARACTERISTICS OF HEAT SENSITIVE PAINTS. ABEAMOVICH B G HOVICHENOK L N TEPLOFIZ VYS TEMP 839-43 1968 CA 70 30077 I FOR ENGLISH TRANSLATION SEE T53963 1 METHOES FOR DETERMINING THE INTEGRAL HEMISPHERIC EMISSIVITY OF MANERIALS AT -100 TC +1000 BLEMEES. Kunarcy yu A MUCHNIK G F TEPLOFIZ VYS TEMP 844-50 1968 CA 70 61137 ( FOR ENGLISH TRANSLATION SEE TS3984 ) TC43747 REVERSE TRANSFORMATION AND THE ACCOMPANYING ANCHALY IN DILATION ON HEATING OF METASTABLE AUSTENITIC STAINLESS STEEL. SALTO T TETSU TO HAGANE 12 1297-310 1968 CA 70 31075 Ti53882 THE INFLUENCE OF SHORT PERICOS OF EXCESS HEATING ON THE MECHANICAL PROPERTIES OF EI-612 AND EI-929 HEAT-RESISTANT AUSTENITIC MATERIAL. STANYUKOVICH A V AGAMOVICH V K TEPLOENERGETIKA 4-6 1968 ( FOR ENGLISH TRANSLATION SEE T053883 ) THE INFLUENCE OF SHORT PERIODS OF EXCESS HEATING ON THE MECHANICAL PROPERTIES OF E1-612 AND E1-929 HE: T-K-SISTANT AUSTENITIC MATERIAL. STANYUKOVICH A V ADAMOVICH V K THERMAL ENGNG 15 ( ENGLISH TRANSLATION OF TEFLOENERGETIKA. 15 ( 7 ), 4-6. 1968; FOR ORIGINAL SEE TUS3882 ) T453983 THERMOPHYSICAL CHARACTERISTICS OF HEAT SENSITIVE PAINTS. MIGH TEMPERATURE 6 5 801-4 1968 ( ENGLISH TRANCLATION OF TEPLOFIZ: VYS: TEMP:: 6 ( 5 ): 839-43: 1968: FUM CRIGINAL SEE T053468 ) METHOD OF DETERMINING THE INTEGRAL HEMISPHERIC MADIATIVE CAPACITY OF MATERIALS IN THE TEMPERATURE MAILE FROM -130 TO 1000 C. HILMPERATURE GGROON A R 1968 thighish thanclation of Teflofiz, vys. Temp... 6 ( 5 ). 644-50. 1564; For Chiginal See Tub3674 ) NOTSTATIONARY PETHOU OF DETERMINING THE THERMAL CONSUCTIVITY OF BULIDS. EG. RGV 3 N KUN TEHLOFIZ VYS TEMP KUNURATENKOV V I 5 931-4 1968 ( FOR ENGLISH TRANSLATION SEE T053910 ) NUISTATIONARY METHOU OF DETERMINING THE THERMAL LOADUCTIVITY OF SOLIOS. KUNUKATENKOV V I EGCROV B N HALF TEMPERATURE 6 5 851-4 1968 I ENGLISH TRANSLATION OF TUFFLOFITY VYS. TEMP... 6 ( 5 ). 901-4. 1968; FOR CRICINAL SEE TUPSUS F

PARAMETERS THAT RELATE THE ELECTRON AND PHONON CUNCECTIVITIES AND A METHOD FOR DETERMINING THE KEZHIZHANOVSKII E E FIGH TEMPERATURE 6 971-5 1968 ( ENGLISH TRANSLATION OF TEPLEFIZ. VYS. TEMP. 6 ( 6 ). 1016-20. 1968: FOF CRIGINAL STE 153276 ) THERMAL RESISTANCE OF VACUUM CONTACTS FETWEEN METALLIG SURFACES OF DISSIMULAR SURFACE ROUGHNESS. KAGANER M G ZHUKGVA K I TRUDY VSES NAUGHN ISSLED INST KISLOROUN MASHINGSTR
11 100-15 1967 LATTICE PARAMETERS AND THERMAL EXPANSION OGEFFICIENTS OF INCR-ICNI AND 2005-29NI AUSTENITES. STUART H. PIDLEY N J IRON STEEL INST /LCNCON/ 1969 CA 70 117411 207 3 368 THERMAL AND ELECTRICAL CONDUCTIVITIES OF PORCUS MICKEL, IFON. AND STELL KM17N2. MALKO F : NEMCHENKO V F MALKO F 1 NEMCHENKO V F POROSH MET 9 1 62-6 LVOV S N FUGIA V S 1969\_ CA 70 90116 ( FOR ENGLISH TRANSLATION SEE T063341 ) MEASURING THE THERMAL CIFFUSIVITY OF METALS. GONSKA. H. KIERSPE. H. Z. ANGEH. PHYS. 26 ( 5 ) . 340-5 . 1969 . 7055023 DESCRIPTION OF A METHOD FOR MEASURING THE TRANSPORT COEFFECIENTS OF METALS AND ALLOYS AS A FUNCTION OF TEMPERATURE ACCORDING TO THE KOHLPAUSCH METHOD. HACHTEL E ESERY R Z METALLK 60 5 505-12 1369 CA 71 32964 T355107 EFFECT OF NICKEL CONTENT ON THE COEFFICIENT OF LINEAR EXPANSION OF A CHSCHIUM-NICKEL METAL HILD SEAM. GOTALSKII YU N VASILEV V G AVTOMAT SVARKA 20 5 9-12 1969 CA 7 (FOR ENGLISH TRANSLATION SEE T095363 ) CA 71 41488 1055420 EFFECT OF MOLYBOENUM AND NITROGEN ON THE PROFERTIES OF AUSTENITIC STEEL 1KH14N1AV29R1 ( E I 726 ). LANSKYA, K. A. KULIKOVA, L. V. 53. In. TSENTK. NAUCH. ISSLED. INST. CHERN. MET. (65). 14-13. 1968. CALORIMETRIC ANALYSIS OF THE LON-TEMPERATURE AGING IN MARAGING STATULESS STEELS. KINGSHITH T TOKUNAGA Y TOYOSHIMA T KIFPON KINZOKU GAKKAISHI 1969 CA 71 83739 2 260-5 3.3 APPARATUS FOR DETERMINING THE NORMAL TOTAL SURFACE EMITTANCE AT 50 TO 250 DEGREES.
ALFANG. G. BETTA. V. TERMOTECNICA 23 ( 4 ), 212-19, 1969. THEHRAL CIFFUSIVITY OF SOME HIGH-TEMPERATURE
HICISTANT STEELS AND ALLOYS FROM 20 TO 1000 DEGREES.
PREISENDANY H. SPIRA H. SCHUELER P. DER ZUEUT EDELSTAHLHERKEZ-TECH BER CA 71 115556 2 293-339 1965 THERMAL CONDUCTIVITY OF 18KMANA /18KMANAVA AND MILLETYS: STEELS ALLOYED WITH CERIUM AT HIGH CA 71 115555 1 74.9

HEASUR MENTS OF THE THERMAL CONDUCTIVITY AND ELECTRICAL RESISTIVITY OF FIGH-ALLOY FERRITIC STEELS. FERME. T. KASTIC. J. J. VOCOPIVEC, F. HURL INST JOZEF STEFAN NIJS POROCILO CA 72 23829 1-31 1969 TUBBLE
UN THE THERMAL CONDUCTIVITY OF CERNETS AND THEIR
HEADURINENT BY THE RADIAL HEAT FLOW METHOD.
UNDEACTED SOME THUMBLER F
HIGH TIMPERATURES HIGH PRESSURES
1 439-47 1969 TOWTHS THERMAL CONCUCTIVITY AND THE THERMAL DIFFOLIVITY OF IRON AND STEELS IN THE HIGH TEMPERATURE RANGE. TEMPORATURE MANGE.

RECTOR AS BUNSKAS H. KCHLHAASS R.

RECTOR AN BUNFEFFERGE ON THEMPOPHYSICAL PROPERTIES OF

TOLICS AT HIGH TEMPERATURES

343-67 1568 TCS7534
EFFECT OF NONMETALLIC INCLUSIONS ON THE VISCOSITY OF METAL PROMETRICITE INCUSTORS ON THE V. METAL PARTIES.
ANTHARCH, V. 1. EKSHOV. G. S. MUJUKRATSKII. I. A. KOVALENKO. A. M. OCH.. AKAU. ANAU. SSR
L9. ( 2 ). 366-8. 1970. DETERMINATION OF THE THERMAL COEFFICIENTS OF EXPLANSION OF SUME CUMMERGIAL METALS AND ALLOYS. FRIENC J N VALLE J INSTITUTE METALS VALLANCE R M 1 75-9 31 1924 CLEDITORS

CLEDITION SEAL DESIGN.

SCITT M J J JOSEPH STRUMENTS

23 9 193-242 1.57 192 EFFECT OF COATINGS AND LININGS OF SOFT HETALS ON THE SECTION OF SERVED IN REVERSE THE RESERVED IN REVERSE THE REPORT OF METASTABLE AUSTENITIC STRINLESS STEEL. SAITO T THANS IRON STEEL INST JAP A 455-64 1969 CA 72 81866 TC55277 FEFFECT OF SHALL CALCIUM AND CERIUM ADDITIVES ON THE STRUCTURE AND SOME PROPERTIES OF CHRONIUM-ALUMINUM FRIMARY FERRITE.

KHIMSHIASHWILL V. G. GVALIYA T. M. VOF METALLOVED KORNOZ METAL 1968 CA 71 73130 61-6 CEMAMMED COATINGS WITH A HIGH COEFFICIENT OF THERMAL EXFANSION. PEV7NER B Z APPEN A A ANTONOVA E A ZHAFOSTCIKIE TEPLOSTCIKIE PCKRYTIYA TR VSES SCVESHCH 4TF 1968 1969 CA 72 82397 205-10 1656424 MEDSURING TRUE HEAT CAPACITY OF METALS. GUMEVICH. M. E. LANKOV. L. N. YUMCHENKO. YU. FAZOVYL PREVRASHON. ( METALLOFIZ. 22 ) 160-8. 1968.

PHYSICAL PROPERTIES OF STELLS. PARTICULARLY OF

LCTTER U

1970

REFRACTORY STEELS.

THYSSENFORSCHUNG 2 65-40

THE SMAL CONDUCTIVITY OF CHECKIUM - HILAEL STEELS. DUPICKOVIC. V. TEHNIKA ( BELGRADE ) A CONTINUING REGISTRATING VERTICAL DILATOMETER UP TO 1660 C. RICHTER F Z ANGEN PHYS 367-72 29 EXPANSION COEFFICIENTS OF STRUCTURAL MATERIALS AT LOW TIPLERATURES. BLLOV A K METALLOVED TERM CBRAB METAL 1962 ( FOR ENGLISH TRANSLATION SEE T59797 ) EXPANSION COEFFICIENTS OF STRUCTUPAL MATERIALS AT LOW TEMPERATURES. METAL SCIENCE HEAT TREATMENT METALS 4 267-5 1968 ( ENGLISH TRANSLATION OF METALLOVED. TERM. GBRAB. METAL., (4), 20-2, 1968; FCR CRIGINAL SEE 759796 ) TG59802 THE MECHANISH OF CRACK FORMATION IN THERMAL FATIGUE TESTS OF TITANIUM ALLOYS.
PULTSIN A M PAVLOV V YA
METALLOVES TERM CBF40 METAL
9 38-42 1 1968 I FOR ENGLISH TRANSLATION SEE T59803 ) T059803 THE MECHANISM OF CRACK FORMATION IN THERMAL FATIGUE TESTS OF TITANIUM ALLOYS.
FULTSIN N M. PAVLOV V YA POKROVSKAYA V B.
METAL SCIENCE HEAT TREATMENT METALS 9 735-11 1966 ( ENGLISH TRANSLATION OF METALLOVEC. TERM. CERAB. METAL., (9), 36-42, 1966; FOR ORIGINAL SEE T59802 ) HEAT-RESISTING KHZENIZAR STEEL. MELKUNGV I N ECYARINGVA A P METALLOVED I TERMICHESKAYA OBRABOTKA METAL 2 32-4 1968 ( FOR ENGLISH TRANSLATION SEE T60024 ) HEAT-RESISTING KH25N12AR STEEL. MELKUMUV I N BOYARINOVA A P METAL SCI HEAT TREATMENT 2 113-14 1968 ( ENGLISH TRANSLATION OF METALLOVED. TERM. OBRAG. MET., (2), 32-4, 1968; FOR ORIGINAL SEE T60023 ) TOBOSZS
INFLUENCE OF CHROMIUM CONTENT AND OF SILICON AUDITIONS ON THE VIRCOSITY OF FE-CR-C ALLOYS.
BAUM B A GELD P V KOCHEFGV P V
RUSSIAN METALLURGY /METALLY/ 2 56-9 1968 ( ENGLISH TRANSLATION OF IZV. AKAD. NAUK SSSR. METAL. ( 2 ). 85-5. 1968; FCR ORIGINAL SEE T49801 ) INFLUENCE OF COLO CEPURMATION AND AGEING ON THE INFLUENCE OF COLL CEPORMATION AND ACEING ON THE CENSITY AND COEFFICIENT OF LINEAR EXPANSION OF CHNCHIUM-NICACE AUSTENITIC STEELS. NEYMARK B YE FIZ METAL METALLOVED 14 3 465-73 1962 I FOR ENGLISH TRANSLATION SEE T60522 1 INFLUENCE OF COLG LEFORMATION AND AGEING ON THE DENSITY AND COEFFICIENT OF LINEAR EXPANSION OF CHROMIUM NICKEL AUSSENTIC STEELS. NI YMAKA C YE NYMARK 1 YE PHYS M-TALL PETALLEGRAPHY 14 3 126-31 1962 (ENGLISH TRANSLATION OF FIZ: METAL. METALLOVEC:: 14 (3): 469-70: 1962' FOR ORIGINAL SEE T62521)

DETERMINATION OF THE COEFFICIENT OF EXPANSION BY ME. NS OF CHEVENAND BILATUMETER. GLICKMAN. L. CHISTOVICH. P ZAVOD. LAB. 2. 999-1533. 1934. I FOR ENGLISH TRANSLATION SEE TPRC NO. 66062 ) EFFECT OF MARE-EARTH METAL AUDITIVES ON THE THERMAL CUMBUCTIVITY OF all procent Charmium Steel. CONTROLLIVELY OF 23 PROCENT CHREMING S MCITOWISEV, L. 1. LEZHNIN, F. F. PHILUTSKII, M. I. 38., HOSN. INST. 3TALL SPLAYOV ( 55 J. 215-6, 1969. TC6:1068 PHYSICAL PROPERTIES OF MOLTEN HIGH-ALLOY STEELS AND PHYSICAL FROM E. SPECIAL ALLOYS.

PLA. DYYAKCNOVA. L. V.
TYLAUNOV. ( BELM. B. A. DYYAKONOVA. L. V. ERMANCVICH. N. A. TYAGUNOV. G. V. G. A. KH2SIN. FIZ. KHIM. OBRAB. MATER. ( 5 ), 43-8, 197). ( FCR ENGLISH TRANSLATION SEE TPRC NO. 64645 ) THERMAL CONDUCTIVITY AND DIFFUSIVITY OF STEEL. JONES. F. H. CHIJHCLM. P. J. J. IKON STEEL INST., LONDON 269 ( PT. 3 ). 210-4, 1971. AGING OF THE MARTENSITE OF IRGN-CHROMIUM-NICKEL AND INCH-CHROMIUM-NICKEL-ALUMINUM STEELS. BUGACHEV I N ZVIGINTSEV N V MOG FIZ HETAL HETALLOVEO HOGUTNOV B H 28 6 999-1306 1969 CA 72 102363 ( FUR ENGLISH TRANSLATION SEE T61847 ) MÁRTÉNSITE AGEING IN FE-CR-NI AND FE-CR-NI-AL STEELS. BCLACHEV I N. ZVIGINTSEV N.V. HOGUTNOV B M PHIS HETALS METALLOGRAPHY 26 6 41-3 1969 (ENGLISH TRANSLATION OF FIZ. METAL. METALLOVEC... 28 (6). 999-1006. 1969; FGR CRICINAL SEE T61846) THERMAL CONDUCTIVITY OF SCHE METALS AND ALLOYS IN THE TEMPERATURE HANGE 4.2-273 K. MEHISGY B A. KHUTKEVICH V I. ZLOBINTSEV G M. KOZINETS V V ENGINEERING PHYSICS 12 5 364-6 1967 ( ENGLISH THANSLAITON OF INTH. FIZ. THUR., 12 ( 5 ), 675-7, 1957; FCR ORIGINAL SEE T45420 ) RELATIONSHIP BETWEEN THE PROPERTIES OF STEELS AND ALLOYS IN THE SULIC AND LIGUID STATES.

BAUM E A TYAGUNOV G V RUSSIAN METALLURGY 1 121-6 1969 ( ENGLISH TKANSLATION OF AZV. AKAD. NAUK SSSR, METAL. ( 1 ) - 229-33, 1969; FOR CAIGINAL SEE T53437 ) THERMOPHYSICAL AND ELECTRICAL CHARACTERISTICS OF A SEPIES OF ALLOY STEELS AND ALLOYS AT HIGH TEMPERATURES.

KHASIN: G. A. OYAKNOVA, L. V.
PROPL. STALNOGO SLIFKA: TR. KUNF. SLITKU: 4TF 71-65. 1969. RELATION BETWEEN TOTAL EMISSIVITY AND NATURE OF THE DALCE LAYER ON 141849T STEEL. SALA. A. FF. INST. MECH. PRECYZ. 18 ( 3-4 ), 2+-30, 1970.

HEAT - PHYSICAL PARAMETERS OF IRCH MATERIALS AND

DOLRING.

NEUE HUETTE 16 ( 2 ), 99-102, 1971.

THEIR INFLUENCE ON THE PROCESS OF SOCIOIFICATION.

TC62761 DEVELOPMENT OF PRODUCTION TECHNOLOGY AND A STUDY OF THE FRUPERTIES OF EXTRA-LOW CARBON KH28-VI STEEL. BIKEZ. 4. K. P. LYUBINSKAYA. M. A. TOPILIN. V. V. ZUBKG. A. M. DZUGUTOV. M. DZUGUTOV. H. YA. STALF 31 ( 2 ) , 162-6, 1971. EFFECT OF SURFACE ROLGHNESS ON THE THERMAL ACCOMMUDATION COEFFICIENT AND EMISSIVITY. TERENHOV. A. O. INZH.-FIZ. ZH. FROLOVA. E. N. 20 ( 1 ), 114-18, 1971. I FOR ENGLISH TRANSLATION SEE TPRC NO. 72197 ) T463265 THERMAL AND ELECTRICAL CONSUCTIVITY OF SOME TECHNICAL MATERIALS IN THE 0.4-1.5 DEGREES K RANGE. MIKHAILOVA. G. N. ZH. TEKH. FIZ. 41 ( 4 ). 800-3. 1971. 1 FOR ENGLISH TRANSLATION SEE TPRC NO. 68703 ) TG63341 THE THERMAL AND ELECTRICAL CONDUCTIVITIES OF POROUS NICKEL, IRUN, AND STEEL KH17N2.
PALKO P I NEMCHENKO V F LVOV S N PUGTN V S SOVIET POWDER HET METAL CEFAMICS

1 49-52 1969
( ENGLISH TRANSLATION OF POROSH. MET., USSR. 9 ( 1 ), 62-6. 1969: FOR GRIJINAL SEE T54527 1 T163811 CILATOMETRIC STUDY OF PHASE TRANSFORMATIONS IN HICH-CHECHIUM STEELS. SHULGA N G ZANGRA N F FOREIGN TECHNOLOGY DIVISION 1-16. 1971. ( ENGLISH TRANSLATION OF IZV. VYSSHIKH UCHEB. ZAVED. CHERN. HET., 6 ( 9 ), 156-60. 1963; FCR GRIGINAL SEE T50088 1 ( FTD-MT-24-1422-71 ) COFRELATION BETHEEN THE CXIDATION STATE OF 1H18N9T STEEL AND THE TOTAL EMISSIVITY VALUE AS MEASURED IN THE COURSE OF CXIGATION. SALA. A. PR. INST. MECH. PRECYZ. 18 ( 4-A ), 13-9, 1970. T064045 PHYSICAL PROPERTIES OF HOLTEN HIGH-ALLOY STEELS AND SPECIAL ALLOYS.

BAUM. B. A. DYYAKONGVA. L. V.

ERMANGVICH. N. A. TYAGUNOV. G. V. KHASIN. G. A.
FUREIGH TECHNOLOGY DIVISION 11PP-+ 1971-1 ENGLISH TRANSLATION OF FIZ. KHIM. OBRAB. MATER., (5 ). 43-5. 1970; FOR CHIGINAL SEE TPFC NC. 6106E) ( FTO-4T-2h-1858-7: AG-747-394, N73-12579) 1064341 SIMPLE PROCEDURE FOR THE DETERMINATION OF THE THERMAL CONDUCTIVITY OF STEELS. FRIEGHOFF. P. H-AUNEN. J. PATERIALPRUEFUNG 13 ( 7 ). 230-3. 1971. T064351 NUMERICAL DETERMINATION OF THERMAL EXPANSION OF CASTING ALLOYS. PLASKOHSKI, J. FR. INST. COLEM. 21 ( 1 ) . 27-35. 1971. T064659
COVICE FOR STUDYING THEFMAL DIFFUSIVITIES AND TRUE SPECIFIC HEATS OF FETALS. RUREPIN. V. V. B PLATUNOV. E. S. T. FLOFIZ. VYS. TEMP. BURAVOI. S. E. 9 (3), 611-6, 1971. ( FOR : NULISH TRANSLATION SEE TPRC NO. 64660 )

T064663 APPARATUS FOR THE INVESTIGATON OF THERMAL LIFFUSIVITY AND THUE SPECIFIC HEAT OF METALS.

KUMPPING VO. V. BUKAVUIG S. E. PLATUNUV. E. S. HIGH TEMP. 13 1 + 554-8, 1971. ( ENGLISH THANSLATION OF TEPLOFIZ, VYS. TEMP., 9 ( 3 ), 611-6, 1971., FUR ORIGINAL SEE TPRC NO. 64659 ) EXPERIMENTAL STUDY OF THE TRUE HEAT CAPACITY Zr. FIZ. KHIH. 45 ( 6 ), 2033-5. 1971. I FOR ENGLISH TRANSLATION SEE TPRC NO. 64928 1 THE THUE HEAT CAPACITY OF STAINLESS STEEL OF TYPE 1 AH 10 N 9 T AT HIGH TEMPERATURES. CHEKHOVSKOI, V. YA. GERASINA, T. Z. CHCKMOVSKUI, V. IA. GERMSINH, ..... KUSS. J. PHYS. CHEM. 45 ( A ), 1152-4. 1971. ( ENGLISH TRANSLATION OF ZH. FIZ. KHIM.. 45 ( 8 ). 2.33-5. 1971., FOR ORIGINAL SEE TPRC NO. 64927 J THE MAL CONDUCTIVITY AND SPECIFIC HEAT CAPACITY OF ZINC SULFICE AND CADMIUM SULFICE IN THE TEMPERATURE REGION FROM 20 K TO 300 K. KRUEGER. 4. TECHNISCHE UNIVERSITY: SERLIN. PH.D. THESIS 99FP., 1969. ( 571-29717 ) THERPAL CONDUCTIVITY OF ALLOY STEELS AT 20-1000 GEGREES K. FRHOLFEV. B. I. METALLOVED. TERM. OBRAB. METAL.
( 10 7. 51. 1371.
( FOR ENGLISH TRANSLATION SEE TPRC NO. 74139 ) TEMPERATURE DEFENDENCE OF THE THERMAL AND ELECTRICAL CUP DUCTIVITIES OF STEELS AND FERROUS HARD ALLOYS. MINEYUROV. V. E.

TC66046
TEMPERATURE DEFENDENCE OF THE THERMAL AND ELECTRICAL
DEFOUCTIVITIES OF STEELS AND FERROUS HARD FLEGYS.
MINFYUNOV. V. E.
FGREIGN TECHNOLOGY DIVISION
16FF... 1972.
(FNGLISH TRANSLATION OF VESTNIK MOSKOV. UNIV...
SEF. FIZ.-MAT. I ESTESTVEN NAUK. ( 4 ). 29-43. 1951;
FC- CRIGINAL SEE IPRO NO. 1646 )
(FTG-HD-23-1992-71, A0-744290)

THE 6062

DETERMINATION OF THE COEFFICIENT OF EXPANSION BY HEATHS OF CHEVENARD DILATOHETER.
GLICKMAN. L. CHISTOVICH. P. FUNCION TECHNOLOGY DIVISION
32FP., 1972.
(ENGLISH TRANSLATION OF ZAVOD LAB., 2.
996-1003, 1934.. FOR ORIGINAL SEE TPRO NO. 60724 )
(FTO-MT-24-2087-71, AD-749735)

TOE6073
TRUE HEAT CAPACITY OF COPPER AND OF CHROHIUM-NICKELTITANIUM STEEL IN THE 300-900 DEGREE & TEMPERATURE
RANGE.
CHERHOSSYDI. V. YA. GERASINA, G. Z.
HIGH TEMPERATURE
9 1 5 1. 854-8. 1971.
1 chillish Translation of Teplofiz. Vys. Temp. 9
( 5 1). 938-42. 1971.. FOR ORIGINAL SEE TENC NO.

TO 66245
THE PROPERTIES OF SIGROPAL STEELS.
NEI MARK. B. E. BELYAKCVA. P. E.
KALTUZUVA. L. N. MERKULFEV. A. N.
TEPLOENE (GETIKA
( 1 ) . 40-9. 1972.
FOR ENGLISH TRANSLATION SEE TPRC NO. 69512 )

TCF6328
INVESTIGATION OF PLASHA COATING POROSITY.
CHEVELA, O. B. MCHOZOV. I. A.
CCFINOV. V. E. UMITRIEVA. E. V.
PDHOSH. MET.
10. 65-71. 1971.
(FOR INSLIEM TRANSLATION SEE T67429 )

T366522
INFLUENCE OF IRON AND CHROPIUM ON THE VISCOSITY OF IRON - CHACHIUM - ALUMINUM ALLOYS.
LEVIN. c. S. AYUSHINA, G. D.
17V. VYSSM. UCHEB. ZAVED. CHERN. MET.
15 (4), 22-7, 1972.

TOF6884
VISCOSITY OF MOLTEN STEELS.

BRUM. D. A. TYAGUNDV. G. V. KHASIN. G. A.
F.Z.-KHIM. CCN. FRCIZVOC. STALI. MATER.

SIPP. MET. METALLCVEC.

547-51. 1971.

TG67429
POROSITY OF PLASMA - SPRAYED COATINGS.
CHEVELA. C. B. MCRCZOV. I. A.
LCGINOV. V. C. DHITRIEVA. E. V.
SOV. POHDER MET. METAL CERAM.
1. ( 9 ). 732-7. 1971.
( ENGLISH TRANSLATION OF POROSH. MET., 10 ( 5 ).
65-71. 1971., FOR CRIGINAL SEE TPRC NO. 66308 )

TOGSS98

SELECTION OF MATERIAL FOR CASTING RETORTS FOR CAREON DISULFIDE PRODUCTION.
GIEREK, A.
PRZEGL. GOLEM.
22 ( 6 ) + 215-9, 1972.

TUGGROS
THERMAL AND ELECTRICAL CONDUCTIVITY OF CERTAIN
TECHNICAL MATERIALS IN THE TEMPERATURE RANGE
C.4-1.5 DEGREES K.
MIKHAILOVA. G. N.
SOV. PHYS.-TECH. PHYS.
16 (4 ). 626-8. 1971.
( ENGLISH TRANSLATION OF Zh. TEKM. FIZ.. &1 (4 ).
850-3. 1971., FOR CRIGINAL SEE TPRC NO. 63265 )

TOCOBOLI INVESTIGATION OF THE SPECTRAL RADIATION CHARACTERISTICS OF HEAT RESISTING PATERIALS. ZUBOV. V. V. KRIVANDIN, V. A. MASTRYUKCV. B. S. IZV. VYSSH. UCHEB. ZAVED., CHERN. MET. 15 (9), 155-7, 1972.

T068839
INFLUENCE OF CERIUP, LANTHANUM, NECDYMIUM, AND
BOPON UN THE CRITICAL PCINTS AND THE LINEAR
EXPANSION COEFFICIENT OF KMI?NZ STEEL.
TIKHONOVSK4IA, L. G. VASILEV, V. G.
RRAUN, H. P.
METALLOFIZIKA
(37), 73-77, 1971.

T069382
DETERMINATION OF THE RADIAL THERMAL CONDUCTIVITY OF MULTILAYER TUBES FOR THERMIONIC CONVERTERS.
FIEBELMANN. P.
FORSCH. INGENIEURH.
38 (5), 133-8. 1972.

TG69512
THERMOPHYSICAL PROPERTIES OF SIGROPAL STEELS.
NEIMARK, B. E. MELYAKOVA, P. E.
KAFTUZOVA, L. M. MERKULFEV, A. N.
THENM. ENG., USSR
19 (1 ). 60-4. 1972.
( ENGLISH TRANSLATION OF TEPLCENERGETINA, 19 (1 ).
46-9. 1972., FUR GALGINAL SEE TRRC NO. 66245 )

T089629

EFFECT OF SOFT-HETAL COATINGS AND METALS ON CONTACT
THENHAL RESISTANCE.

MALYROV, V. A. DOBASHIN, P. A.

J. ENG. PHIS., USSR

17 ( 5 ). 1369-95. 1969.

1 ENGLISH TRANSLATION OF INZM.-FIZ. ZM., 17 ( 5 ).

871-9, 1969., FOR CRIGINAL SEE TPRC NO. 57992 )

TO70155
A COMPARATIVE STUDY OF THE THERMAL DIFFUSIVITIES GF STAINLESS LIFEL. HAFNIUM. AND TIFCALOY.
HALTER. A. J. LILL. R. M. TAYLOR, R.
HIGH TIMP.-MIGH FRESSURS.
4 ( 4 ) 439-46. 1572.

THE HMAL CONDUCTIVITY AND THERMAL DIFFUSIVITY OF THE MHAL CONDUCTIVITY AND THERMAL PHASMA-SPRAYED STAINLESS STEEL. IDHATENKO. G. K. HAKSIMCVSKI PASHKINA. H. I. INZH.-FIZ. ZH. MAKSIMEVSKII. V. V. 24 ( 1 ), 112-14, 1973, ( FOR ENGLISH TRANSLATION SEE T85356 ) TUTUTAL STUDY OF THE PHYSICAL PROPERTIES OF ALLOYS HITH A CASE OF VI-5 AND VI-6 TITANIUM. NEIMARK, U. E. KONYINA, S. F. HORKULFEV, A. N. HERT TRANSFER-SOV. KES.
5 ( 2 ), 4-6, 1973. THERMAL EXPANSION, YOUNGES MUDULUS, AND MAGNETOSTALUTION OF THE IRCH - CHECHIUM - NICKEL STAINLESS ALLOY IN THE 80-280 K RANGE. GABANCY, N. A. FAKIDGY, 1. G. GABANCY, M. 4. FAKIDOV, I. G. FIT. HETA. METALLOVED. 35 (3). 656-9. 1973. (FOR ENGLISH TRANSLATION SEE 196167) MERSURING THE NORMAL SPECTRAL INFRARED EMISSIVITY OF STRUCTURAL MATERIALS.
AKSYUTOV. L. N. P
KHOLOPOV. G. K.
INZH.-FIZ. Zr. PAVLYUKOV. A. K. 24 ( 3 ), 393-9, 1973. ( ENGLISH TRANSLATION SEE 183671 ) 10:2004

DILATCHETER FOR HEASURING THE EXPANSION OF CONSTRUCTION MATERIALS IN THE 2-77 K HANGE. PERRENKO, N. S. KRAVCHENKO, S. F. PEIKENKO, N. S. PRIB. TEKH. EKSP. ( 3 ), 248-50, 1973. ( FOR ENGLISH TRAMSLATION SEE TPRO NO. 77222 ) DEFENCENCE OF THE THERMAL CCEFFICIENT OF AUGUMBODATION AND THE EMISSIVITY ON SURFACE. TEREKHOV, A. D. FRGLOVA, E. N.
J. ENG. PHYS.
26 ( 1 ), 65-8, 1971.
( LNGLISH TRANSLATION OF INZH.-FIZ. 7h., 26 ( 1 ), 114-8, 1971; FCK OKLGINAL SEE TPRC NO. 63178 ) CALCULATION OF RADIATIVE HEAT EXCHANGE IN A CLOSES SY TEP OF NONGRAY BODIES. TATITATUKOV, B. S.
TETLOFIZ. VYS. TENP.
11 ( 2 ). 442-4. 1973.
( FOR ENGLISH TRANSLATION SEE TPRO NO. 72277 ) CALGULATION OF RADIATIVE HEAT EXCHANGE IN A CLOSEL SYUTEM OF HONGHAY BOOTES. HASTRYUKOV. 9. S. HIGH TEMP. 11 ( 2 ), 395-6, 1973. ( ENGLISH TRANSLATION OF TEFECFIZ, VYS. TEMP., 11 ( , ), 442-4, 1973; FGR OFFITNAL SEE TRRUING, 72276 ) THISPAL CONDUCTIVITY OF UKANION DIGXIDE-SCOLUM POTASSIUM AND LIGHTUM CICALLE-SOCIUM SCUERY. HU: TZ. J. PROSR. HEAT HASS THANSFER 5. 235-92. 1972. TRENSMISSION FORGES TO A CRYOSTAT. UIINESE, P. PURKOT, E. S.L. U. TAGUET, H. U. UKUUGENICG. 13 ( 9 ), 550-3, 1973. INFLUENCE OF CHROMEUM ON THE PHACE TRANSFORMATIONS AND MARK HANDENING OF STEELS OF THE 513 AND

AND HORK HANDERING OF STEELS OF THE SIS AND 30010 TYPE.
400-ACHOVE L. F. FYEMUNUT. T. G. FIL. MITALLOVED.
50 ( F.F. 1013-20-1070.
( FOR ENGLISH TRANSPARIE ( E. 1980-100-73276 F.

T070436

49 INFLUENCE OF CHRCHICH IN THE PHASE TRANSFORMATIONS AND HOLK MARDENING OF LITELES OF THE GLY AND TELES TYPE. PRUBACH: V. L. R. EYSMONDT. T. D. PHYS. HETALS METALLULK.. USSR SC ( 6 ). MI-8. 1970. C ( 60LISH TRANSLATION OF F.Z. METAL. HETALLOYED... 30 ( 6 ), 1213-2., 197.; FCR CHIGINAL SEE TPRC NO. 73125 ) T073229
CN THE PHYSICAL NATURE OF THE MARTENSITIO THANDEDGRHATION POINT.

SNEZHNOY. V. L. PIFOSHAICHENKO, F. O.
KANIBULCTSVIY. V. G. HALINEN, P. A.
FIZ. METAL. MFTALLOVED.
31 (1 1. 158-61. 1971.
I FOR ENGLISH THANSLATION SEE TROO NO. 73230 ) TUT3233

CN THE PHYDICAL NATURE OF THE MARTENSITIC TRANSFORMATION POINT.

SNETHNOTY, V. L. PIRESHNICHENKO, F. D. KARIFULLUTOFITY, V. J. MALINEN, P. A. PHYS. METALS METALLOGR., USSR
31 (1 1. 157-60. 1971.
(ENGLISH TRANSLATION OF FIT. METAL. METALLOVED., 31 (1), 158-61, 1971; FOR CHIGINAL SEE TRACK NO. 73229 ) T373241 LHANGE IN THE APPARENT HEAT CAPACITY OF CHACKILE STEEL DUFING AGEING. STEEL OUT IN BUSING.

#UGACHEV. I. \*\*. ZVIGINTSEV. N. V.

PUGUINOV. R. M. FAFINA. N. V.

FIZ. METAL. METALLOVED.

3/ (3). +56-2. 1972.

(FOR ENGLISH TRANSLATION SEE TPRO NO. 73242) TC73242
CHANGE IN THE APPARENT HEAT CAPACITY OF CHACAPIUM CHANGE IN THE APPARENT HEAT CAPACITY OF CHECPIUM CTELL DUFING AGEING.

BUGACHEV. I. N. ZVIGINTSEV. N. V.

MOGUTNUV. 8. M. PAPINA. N. V.

FHYS. METALS METALLOGR., USSR

CX ( 3 ). 207-9, 1972.

( ENGLISH TRANSLATION OF FIZ. METAL. METALLOVEC., 13 ( 3 ). 60-2, 19721 FOR ORIGINAL BEE IFRO 1074090 THEROVEMENT OF THE MASKETIC PROPERTIES OF THE THEON - COMMINION ALLOY 16 KM. FUZZY. 1. H. KLEVITSKAYA. G. Z. ZUYEVA. M. M. 17V. AKAG. NAUN SÜSR. METAL. [ 4 ) • 2'5- • 1971 • 6 FOR ENGLISH TRANSLATION SEE T74091 ] IMPROVEMENT OF THE MAGNETIC PROPERTIES OF THE I-ON - INF MIUM GLECY 16 KM. KLEVITSKAYA. G. Z. FOZEY. I. H. ZUYEVA. H. M. COME PHYSICO-CHEMICAL PROPERTIES OF LIQUID FOR FORLISH FRANKLATION SEE T74101 D

FOR FORLY FOR FORLY FOR FOR FOR FORLY

FOR FORLISH FRANKLATION SEE T74101 D SOF PHYSICO-CHEFICAL F-CPERTIES OF LIQUID INCh - Chromium - Acuminum Alloys.
LEVIN, E. S. SYUSHINA, G. D. LEVING E. S. STUSHIN HUSS. 4(1... | METALLY | ) 1 4 1. 70 1. 1972. E ENGRISH THE METALETIC OF THE ANADA MALK SSSR. MITALL. E. 1. 96- . 1972; FCH ORIGINAL SEE

T274113 THE NATURE OF 475 C EMPRITTLEMENT OF HIGH-CHROPIUM STUELS. Shot #GA, N. G. ZAHURA. H. F. PALASH. V. N. ZIMA. YU. V. HETALLUVEO. TERM. UURAB. HETAL. ( 2 ). 51-3, 1970. I FOR ENGLISH TRANSLATION SEE T74114 ) THE NATURE OF 475 C EMBRITTLEMENT OF HIGH-CHEGFIUM STEELS. SHULFGA. N. G. PALASH: V. N. ZAMORA. H. F. SHULFGA, N. G. ZAHORA, H. F.
MALASH. V. N. ZIHA, YU. V.
METAL DOI: HEAT TREAT. METALS, USSR
( 2 ), 136-6, 1970.
( ERULISH TRANSLATION OF METALLOVED, TERM, CBRAB,
METAL... ( 2 ), 51-3, 1970; FOR CHIGINAL SEE T74113 ) A NIH CHROMIUM - MANGANESE - NICKEL STEELS G K H 1 3 G 8 N 2 T ( K Q-3 ). ZHADAN. T. A. METALLOVED. TERM. OBRAB. METAL. ( 3 ), 39-41, 1970. ( FUR ENGLISH TRANSLATION SEE T74116 ) TJ74116 A NEH CHROMIUM - MANGANESE - NICKEL STEEL!

O K H 1 8 G 8 N 2 T ( K 0-3 ).

ZHAJAN, T. A. MET IL SCI. HEAT TREAT. METALS. USSR ( 3 ), 221-3, 1970. ( ENGLISH TRANSLATION OF METALLOYED, TERM. GBRAB. ( 3 ) . 39-41. 1970; FUR ORIGINAL SEE T74115 1 BASIC TRENDS IN THE DEVELOPMENT OF MROUGHT ALUMINUM FAIDLYANDER. I. N. METALLOVED. TERM. CBRAB. METAL. ( 4 ) + 44-51 + 1370 . ( FOR ENGLISH TRANSLATION SEE 174118 ) 167-118
BESIC TRENDS IN THE DEVELOPMENT OF HROUGHT ALUMINUM ALL CYS. FRIDLYANDER. I. H. METAL SCI. HEAT TREAT. HETALS. USSR ( # ), 318-23, 1975. ( E-GLISH TRANSLATION OF METALLOVED. TERM. GBRAB. MET-L., ( 4 ), 44-51, 1970; FOR CRIGINAL SEE 174117 ) FREE-CUTTING NONMAGNETIC STAINLESS STEEL G K H 1 7 N 1 6 ( £ P 626 ). BABAKCV. A. A. CHOBANYAN. A. A. PETROVA, M. P. AVRUKH, E. METALOVED. TERM. OBRAB. METAL. E. L. ( 9 ) . 16-9, 1971. ( FOR ENGLISH TRANSLATION SEE T74136 ) 1076136 FREE-CUTTING NORMAGNETIC STAINLESS STEEL O K H 1 7 N 16 (EP 626) BAGEKOV, A. A. CHOBANYAN, A. A. PETROVA, M. P. AVRUKH, E. L. METAL SCI. HEAT IKEAT. METALS, USSR (S). 726-8, 1971. CHOBANYAN. A. A. ( ENGLISH TRANSLATION OF PETALLOVED. TERM. DERAB. METAL.. ( 9 ), 16-9. 1971: FOR ORIGINAL SEE T74135 ) THERMAL CONDUCTIVITY OF ALLOY STEELS AT 20 - 1030 K. ERNULATVE B. 1.
METAL SCIE HEAT TREATE HETALS. USSR 1. 853-4. 1971. C ENGLISH TRANSLATION OF METALLOVED. TERM. OBFAD. HETAL., ( 10 ). 51, 1971; FCM CRIGINAL SEL T65271 ) EFFECT OF SUBSTRATE MATERIAL ON THE FORMATION OF THIN FLASMA-SPEAVED CUATINGS. CHEFELS O. B. GRECVA: L. M.
HG-(ZUV. I. A. BAGRAROV. S. T.
HYANICH. L. M. PORLSH. MET. 12 - 3 1+ 27+31+ 1973+ C FOR ENGLISH TRANSLATION SEE T74179 )

1074179 EFFECT OF SUPSTRATE MATERIAL ON THE FORMATION OF SHIP PLASMA-SPEATED COATINGS. MOTOZOV. 1. A. BASKAKOV. S. T. RYASICH. L. M.
SOV. POHDEF HET. HETAL CERAM. 12 ( 3 ), 199-202, 1973, ( ENGLISH TRANSLATION OF POROSH, MET., 12 ( 3 ), 27-31, 1973, FOR GRIGINAL SEE T74178 ) 1174555 TRANSPURT PROPERTIES IN PUROUS METAL FIBRE COMPACTS NITH OPICHTED STRUCTURE.

AMPPINOS. D. M. KLIMENKO.

LUZMANSKII, G. A. RUTKCVSK

SUKHIH, L. L.

HIGH TEMP. HIGH PRESSURES

5 ( 1 ). 35-8. 1973. RUTKCVSKII. CORRELATING EXPERIPENTAL CATA ON HEAT TRANSFER WITH FCCL BOILING OF SEVERAL CRYOGENIC LIQUIDS. GRIGOREV. V. A. AMETISTOV. E. V FAVLOV. YU. M. TEFLOENERGETIKA 20 1 9 1. 57-63, 1973. ( FOR ENGLISH TRANSLATION SEE TPRC NO. 74600 ) CORRELATING EXPERIPENTAL DATA ON HEAT TRANSFER WITH POCL BOILING OF SEVERAL CRYOGENIC LIQUIDS. GRIGOREV. V. A. PAVLOV. YU. M. GRIGOREV. V. A. AMETISTOV. E. V. THERM. ENG., USSR
20 ( 9 ), 61-9, 1973.
( ENGLISH TRANSLATION OF TEPLCENERGETIKA. 20 ( 9 ). 57-63. 1973: FOR ORIGINAL SEE TPRC NO. 74599 ) TUPOUS LOW-TEMPERATURE AGINC AND SEPRATED FLOM IN SUBSTITUTIONAL MANTENSITIC IRON-BASE ALLOYS. TOKUMAJA, Y. GKITA, T. JAPAN INST. METALS, J. 37, 1330-1338, 1973. TC75275 THERHOPHYSICAL CHARACTERISTICS OF SCHE CONFOSITE ANTIFRICTION MATERIALS. KLIMENKO. V. S. KARPINCS, D. M. PUGINA. L. I.
TEFLOFIZ. SVOISTVA TVERU. VESHCHESTV. PATER. VSES.
TEPLOFIZ. KONF. SVOISTVAN VESHCHESTV VVS. TEFF.. 4TH 110-16. 1973. TO76360
THERMOPHYSICAL PROPERTIES OF WEAR-RESISTANT CAST BELYAKOVA. P. E. BRCDSKII. B. R. VOFONIN- L. K. KARTUZOVA, L. M KCRYTINA. S. F. NEIMARK, R. E. LITEINOE PROIZVOO. ( 12 ), 20-2, 1973. 1976749 VISCOSITIES OF LIQUID IRON AND STEELS.
NARITA. K. ONGYE. T.
PRGC. INT. CONF. SCI. TECHNOL. IRON STEEL
( PT. 1 ), 400-3, 1971. T37/142
DEVELOPMENT OF COMPOSITE STRUCTURES IN EUROPE. FIELDING. J. HCLT. A. FRCC. JAGAMURE ARMY MATER. RES. CONF. . 6TH 145-148. 1960. ( AD-233 158 ) DILATOMETER FOR PEASUREMENTS OF THE EXPANSION OF THE EXPANSION OF STRUCTURAL MATERIALS IN THE TEMPERATUPE RANGE 2-77 K.
PETHENKO. N. S. KRAVCHENKO. S. F. FETHENKO. N. S. KRAVCI INCTRUM. EXP. TECH.. USSR ( 3 ) + 954-b + 1973 . LENGLISH TRANSLATION OF FRID. TERM. EKSP., ( 3 ) . 24F-50 . 1973: FON CRIGINAL SEE TPRO NO. 72004 ) EARE EARTH HETALS IN CAST CHPCHIUM - ALUMINUM STEEL. VASHCHENKG. K. I. /HUK. V. YA. LYUTYI. V. A.

VASHCHENKO. K. I. 7HU
LATURDY. E. A.
TERHNOL. GEGAR. FRC1/VOO.
( 11 ). 44-2. 1974.

```
EFFECT OF RAKE EARTH NETAL AUGITIVES ON THE LENSITY
OF STEELS.
OF STEELS.

ETELIS. L. S. OLADKOV, M. I.

STASYUN, G. F. KYABUVA. D. Z.

UGRUVŠKII. O. J. KARMALIN. YU. N.

LITEINGIE PROIZVOD.
( FOR ENGLISH TRANSLATION SEE T91291 )
EMISSIVITY OF STAINLESS STEEL 1KH15N9T WITH VARIOUS
KINGS OF SURFACE TREATMENT.
KIRGIZBAEV, D. A. ZAKHI
KURUNGV. YU. I.
                            ZAKHICOV. R. A.
GELIGTEKHNIKA
( 3 ). 80-1, 1974.
( FUR ENGLISH TRANSLATION SEE 182650 )
THERPAL EXPANSION - METALLIC ELEMENTS AND ALLCYS.
TCJLOUKIAN, Y. S. KIRBY, R. Y. TAYLOR, R. E. DESAI, P. D.
THE MCPHYSICAL PROPERTIES RESEARCH CENTER. DATA BOOKS
12. 1440PP., 1975.
T081175
THE X-RAY HEASUREMENT OF RESIDUAL STRESS IN
STAINLESS STEEL USED AS CLOTHING METAL.
HANA PUSA. T.
                     FUJIHARA. H.
ZAIRYC
19 ( 207 ), 1022-7, 1970.
SPECTRAL PROPERTIES OF IRCH - CHROMIUM ALLGYS IN THE
J.254-17 MICRON SPECTRAL REGION.
JORBAN, N. YA. STASHCHUK, V.
                        STASHCHUK, V. S.
CHERNCHGRETS. M. F.

OFT. SPECTROS.

38 ( 5 ), 568-70. 1975.

( ENGLISH TRANSLATION OF CFT. SPEKTROSK.. 38 ( 5 ).

968-93. 1975; FOR CRIGINAL SEE 181706 )
THE EMOPHYSICAL PROPERTIES OF STEEL SINTER UNDER
JARIGUS TEMPERATURES.
SEVERDENKO. V. P.
                            MAKUSHOK. E. M.
RAVII
          A. h.
IZV. AKAÚ. NAUK BELORUS., SSR
( 1 ). 33-7, 1974.
UFTICAL PROPERTIES OF IKON - CHROHIUM ALLEYS IN THE
3.234-17 MICRUN SPECTRAL REGION.
JOH BAN. N. YA.
                        STASCHUK. V. S.
CHERNOMORETS. H. P.
OPT - SPEKTROSK.
38 ( 5 ) - 988-93, 1975.
( FIR ENGLISH TRANSLATION SEE T91232 )
EMISSIVE POWER OF STAINLESS STEEL IKHIANOT AS A
FUNCTION OF SURFACE TREATMENT.
                            ZAKHICOV. R. A.
KIRSIZBAEV. D. A.
ROFINCY, YU. I.

APPL. SCLAR ENERGY, USSR
1. 1 3 1. 61-2. 1974.
1. ENGLISH TRANSLATION OF GELIOTEKHNIKA, 19 ( 3 ).

30-1. 1974: FOR ORIGINAL SEE T80497 )
MEABURING THE NORMAL SPECTRAL INFRARED EMISSIVITY OF
STRUCTURAL MATERIALS.
ARLYUTOV. L. N. HOLGFOV. G. K.
                          PAVLYUKOV. A. K.
J. ENG. PHYS. . USSR
24 ( 3 ) . 275-9. 1973.
E ENGLISH TRANSLATION OF INZH. FIZ. ZH. . 24 ( 3 ).
393-9, 1973; FOR ORIGINAL SEE T71162 )
```

RECENT PROGRESS IN THE PRODUCTION AND FABRICATION OF

STAINLESS STEELS, WITH PARTICULAR REFERENCE TO SHEET

METALLURGIA ( THE BRITISH JOURNAL OF METALS )

TL84263

AND STRIP. AUTIOR ANCH

42 / 254 ). 367-71. 1950.

```
T094942
EXPERIMENTAL STUDY OF THE THERMAL EXPANSION OF STEEL
IKHIMN9T. PETUKHUV. V. A.
                             CHEKHOVSKCI. V. YA.
MOZGOVAI.
TEPLLENEFSETIKA ( MOSCOM ) ( 3 ), 64-5, 1976.
I FOR ENGLISH TRANSLATION SEE T92009 )
1085006
DETERMINATION OF THERMAL CONDUCTIVITY. ELECTRIC
CONDUCTIVITY. AND EMISSIVITY OF A CONDUCTING
CYLINDER WITH INTERNAL HEAT SCURCES.
SMIRNOV. F. V.
TEFLOFIZ. VYS. TEMF.
14 ( 2 ), 438, 1976.

I FOR ENGLISH TRANSLATION SEE T93779 )
THERMAL CONDUCTIVITY AND THERMAL DIFFUSIVITY OF
PLASMA-SPRAYED STAINLESS STEEL.
PLASMA-SPRAYED STAINLESS STEEL.
IGNATERKO. G. K. MAKSIMOVSKII. V. V.
FASHKINA, M. I.
J. ENG. PHYS.. USSR
24 ( 1 ). 86-7. 1973.
( ENGLISH TRANSLATION OF INZM. FIZ. ZM.. 24 ( 1 ).
112-4. 1973; FOR CHIGINAL SEE T7C436 )
T065167
INVESTIGATION OF THE OPTICAL PROPERTIES OF STAINLESS STEELS DURING HEATING BY SCLAF RADIATION TO FIGH
TEMPERATURES.
TEMPERATURES.
ZAMIDOV. R. A. KIRGIZBAYEV. D. A.
UMAROV. G. YA.
EUROPEAN CONF. ON THERPOPHYSICAL PROPERTIES OF
SOLIDS AT HIGH TEMP.. 5TH
10FP. . 1976.
T085754
& CALCRIMETRIC AND MASS+SPECTAGHETFIG STUDY OF SOLIO
IFON - CHPCHCUM ALLCYS.
NUMBATON. A. S.
                              MUORE. R. H. APGENT. E. B.
MET. SCI.
10 ( 6 ) . 237-13. 1976.
1007923
CALORIMETRIC AND NUCLEAR GAMMA-RESONANCE STUCY OF
CALCATHETRIC AND NOTICE A GAHARESCHANGE
ASING OF THON - CHRCPTUM - COCELT ALLOYS.
CYCHIMITROV. V. V. ZVIGINTSEV. N. V.
LITVINOV. V. S. CSMINKIN. V. A.
FIZ. MET. METALLOVEO.
42 ( 2 ) . 310-17, 1976.
( ENGLISH TRANSLATION SEE T92074 )
TC88586
SKELETJN THEPHAL GO...
MICKS OF HEAT FIFES.
SEMENA. M. G. KOSTORNOV. A. G.
MCROZ. A. L.
SKELETON THEPHAL CONGUCTIVITY OF METALLOFIBROUS
                                                   SHEVCHUK. N. S.
INZm.-FIZ. ZH.
31 ( 4 ), 591-6. 1976.
I FOR ENGLISH TRANSLATION SEE T92046 1
THE SPECIFIC HEAT OF STAINLESS STEELS RETHEEN 4 K AND 3UC K.
CCRSAN.
                         MITCHEM. N. I.
FACC. INT. CRYCG. ENG. CONF.
6, 342-4, 1976.
TC89389
EVIDENCE FOR SPLIT BANDS FAOM ELECTRONIC SPECIFIC
HEAT AND FLECTRICAL TRANSPORT DATA IN IRON - VANAGIUM
AND IN OTHER IRON AND NICKEL ALLOYS.
BERGER. L.
AIP CUNF. FROG.
```

TOUSS TOUS STATE STATE AND OF THE UNIT OF THERNAL CUMPUCTIVITY OF SCLIGS IN THE TEMPERATURE RANGE PLANER OF AND 300 K.
THEANUTCH. V. A. CHASPKIN. YU. R.
ITPER. TEKH.
19 ( 3 ). (8-31. 1976.
19 ( 5 ). (8-31. 1976.
19 ( 6 ). (8-31. 1976.

( 34 ) . 355-7 . 1576.

TC09524

SFICIAL STATE STANDARD OF THE UNIT OF THERNAL CONDUCTIVITY OF SOLIDS IN THE TEMPERATURE HANGE DETMERN 50 K AND 300 K.

PHOLOCICH. V. A. CHASHKIN. YU. R.

HEAD. TECH.. USSR
19 ( 3 ). 380-5. 1976.
( ENGLISH TRANSLATION OF IZMER. TEKH.. 19 ( 3 ).
26-31, 1376; FCR DRIGINAL SEE T89523 )

1650958

DITERMANATION OF THERMAL CONDUCTIVITY, ELECTRICAL CONDUCTIVITY, FADIATIVE CAPABILITY OF ELECTRICALLY CONDUCTIVITY, FADIATIVE CAPABILITY OF ELECTRICALLY CONDUCTING CYCLINDERS WITH INTERNAL HEAT SOUPCES. SMINKUM, YE. V. DEPOSITED DUCUMENTS, VINITI LAPP., 1976.
( VINITI-662-76)

G91291
INFLUENCE OF RARE EARTH METAL ADDITIONS ON DENSITY OF STEELS.
EIGLIS. S. GLADKOV. M. I. STASYUK. G. F. RYABOVA. D. Z. BURCVSKII. O. B. KARHALIN. YU. N. MUSS. CASTINGS PROD.
( 6 ). 251-2. 1974.
( ENGLISH TRANSLATION OF LITEINGE PROIZVOG., ( 6 ).
19-20. 1974: FLK OKIGINAL SEE T79366 )

TG91459
SCHE RESULTS OF STUDYING THE EHISSIVITY OF
RESISTANCE-PEATED ALLOYS.
BURGKCWSKI, T.
RETALCZN. OBROBKA CIEPLNA
21. 24-8. 1976.

TG91631
PUSSIBLE APPLICATIONS OF ABSORBING LAYERS.
PARTICULARLY THOSE PRODUCED BY GASEOUS ION COATING
IN THE METALLOGRAPHY OF IRON ALLOYS.
ROBUSCH. G. ENGLER. G. BUEHLER. H. E.
PRAKT. METALLOGR.
14 ( 2 ), 65-86. 1977.

Tagragag

AN IXPERIMENTAL INVESTIGATION OF THE THERMAL
EAPANASION OF INITIALY STEEL.
PSTUKHOV, V. A. CHEKHGVSKOI, V. YA.
MOZJOVOI, A. G.
THERM, ENG., USSR
23 ( 3 ), 75, 1976.
( ENGLISH TRANSLATION OF TEFLOENERGETIKA, 23 ( 3 ),
64-5, 1976; FOR ORIGINAL SEC T84942 )

TUPROMAG
SKEULTAL THERMAL CONDUCTIVITY OF FIBER-METAL
MEAI-FIPE WIGKS.
SEMINA. M. G. KOSTORNOV. A. G.
ZHAIPOV. V. K. MONOZ. A. L. SHEVCHUK. M. S.
J. ENG. PHIS., USSR
31 ( 4 ). 1121-5. 1976.
L ENGLISH TRANSLATION OF INZH. FIZ. ZH.. 31 ( 4 ).
501-6. 1976; FUR ORIGINAL SEE TEBORE)

TC92074
CAL MIMETRIC AND NUCLEAR GAMMA RESONANCE
INVESTIGATION OF THE AGEING OF
INVESTIGATION OF THE AGE OF THE AGE

TEGRIZ75

EFFICT OF THICKNESS OF OXIDE FILM ON THE EMISSIVITY

AND AFFLECTIVITY OF HEAT-FESISTANT METALS AND ALLOYS.

ZHOROV. S. A. YAGUNOV. K. A.

INTH. FIZ. ZM.

34 ( 1 ), J4-9, 1978.

EFFUR ENGLISM TRANSLATION SEE T94299 )

TD92974

MEASUFEMENT OF THERMAL PROFERTIES OF SELECTED
CYCUMGSLOVAK MATERIALS AT LOW TEMPERATURES.

MANEK. 7. BISCHOT. J. MULOPAC. S.

NOVOTRY. V. RYSKA. A.

ELEKTHOTECH. UJ7.

65 2 2 1. 46-115. 1977.

1993988
INFLUENCE OF SURFACE PROPERTIES ON THE TOTAL FHITTANCE OF STEEL.
NEUR. G. HORNER. B.
SURR. THERMOPHYSICAL FROPERTIES. 7TM.
256-5PP. 1977.

TG93779

DETERMINATION OF THE THERMAL CONJUCTIVITY. THE ELECTRICAL CONGUCTIVITY, AND THE RACILTING POWER OF AN ELECTRICALLY CONCUCTING CYLINDER WITH INTERNAL SCURCES OF HEAT.

SHIRNOY. E.V.
HIGH TEMP., USSR
14 ( 2 ), 431, 1576.
( ENGLISH TRANSLETICA OF TEPLOFTY, VYS. TEPP., 14
( 2 ), 438, 1976; FOR CRIGINAL SEE T65006 )

T093911
TEMPERATURE DEPENCENCE OF THE LINEAR EXPANSION
COFFFICIENTS OF SOME IAUN - CHROMIUM - NICKEL ALLCYS
IN THE TEMPERATURE MANGE 4.2 TO 300 K.
ILICHEV. V. YA. POPOV. V. P.
SKIZINA, L. V. CHERNIK, M. M.
CHYOGENICS
18 ( 2 ) + 90-2 , 1978.

T094209

EFFECT OF THICKNESS OF CXIDE FILM ON THE EMISSIVITY AND REFLECTIVITY OF HEAT-RESISTANT METALS AND ALLOYS.

ZHCROV, G. A. YAGUNOV, K. A.

J. ENG. PHYS., USSR
34 ( 1 ), 20-3, 1978.

( ENGLISH TRANSLATION OF INZM. FIZ. ZM., 34 ( 1 ), 34-9, 1978; FOF CHIGINAL SEE T92275 )

T094225
THEKMAL EXPANSION OF IRON - CHROMIUM - NIGKEL ALLGYS
OF VARIOUS STABILITY AT LOW TEMPERATURES.
ILICHEV. V. YA. FUPCV. V. P.
SKIBINA. L. V. CHERNIK, M. M.
FIZ. MET. PETALLCVED.
4 5 ( 2 ). 327-32. 1978.
4 FOR ENGLISH TRANSLATION SEE T98814 )

T095465
HEASUKEMENTS OF THE TCTAL EMISSIVITY OF AUSENITIC STEELS.
KRINNINGER. M.
WAERME STOFFUEBERTRAG.
3. 139-45. 1970.
( FOK ENGLISH TRANSLATION SEE T95983 )

TJ95983

MEASUREMENTS OF THE TOTAL EMISSIVITY OF AUSENITIC STEELS.

K-TINNINGER, H.

PISLEY TFANSLATIONS

//F., 1972.

I ENGLISH TRANSLATION OF HAERME STOFFUEBERTRAG.

3. 139-45. 1970: FLR ORIGINAL SEE T95465 )

( RISLEY TEANS-IU...)

TO96167
THERMAL EXFANSION, YOUNGES MODULUS AND MAGNETOSTRICTION OF A STAINLESS IRON - CHACMIUM - RIGKEL ALLOY IN THE MANGE 80-280 K. GESANOV. P. A. FANILOV. 1. G. FHYS. METALS METALLOGR.
35 ( 3 ). 200-2. 1973.
( ENGLISH TRANSLATION OF FIZ. METAL. METALLOVEC...
35 ( 3 ). 656-9. 1973; FOR ORIGINAL SEE 771093 )

T096180
A LILATOMETER FOR PEASURING THE EXPANSION OF CONSTRUCTIONAL MATERIALS IN THE TEMPERATURE RANGE 2 TO 77 K.
PETRENKO. N. S. KRAVCHENKO. S. F.
CRYGGENICS
13 ( 12 ) , 730-2, 1973.

TO 96889

CETERMINATION OF THE HEAT CAPACITY OF A GROUP OF METALLIC ALLOYS.

HASKII. YU. P. EGGEOV. G. N.

CETUSITED POC.. VINITI

CSEP... 1973.

C. VINITI-7506-73.

1097123 SPECIFIC HEATS OF AUSTENITIC STEFLS IN THE TEMPERATURE RANGE 4 TO 30 K. CUASAN. J. M. MITO CHYUGENICS 19 ( 1 ). 11-16, 1979. MITCHEN. N. I. THERMOPHYSICAL PROPERTIES OF FERROUS STRUCTURAL ALLCYS. HANFORD ENG. DEV. LAB. . RICHLAND, WASHINGTON 142PP., 1978. ( HEDL-THE-78-47 ) 1098438 THEADUREMENT OF THE LOW TEMPERATURE MAGNETIC SUSCEPTIBILITY AND HEAT CONSUCTIVITY OF STAINLESS STEELS. YAN. 5. S. ZHOU. YA. QUIN.. LU. G. ZHANG. J. D. WULI 7 ( 5 ), 288-91, 1978. T098515 TU99515
THERMAL CONDUCTIVITY AND MECHANICAL PROPERTIES OF SOME CONSTRUCTION ALLOYS AT LON-TEMPERATURES. KCZINETS. V. V. JÜNEVA. E. M. ZLUBINTSEV. G. M. MERISCV. B. A. KRIJG. ELEKTROCIN. ENERG. 44-50, 1977. TC95814 LOW TEMPERATURE THERMAL EXPANSION OF IFUN - CHROMIUM - NICKEL ALLOYS OF DIFFERENT STABILITIES.
ILVICHEV. V. YA. POPOV, V. P.
SKIBINA, L. V. GHERNIK, M. M.
PHYS. METALS METALLOGR. 45 ( 2 ). 83-8, 1978. ( ENGLISH TRANSLATION OF FIZ. PET. METALLOVEC.. 45 ( 2 ). 327-32. 1976; FOR ORIGINAL SEE T94225 ) T035962 DYNAMIC AND STATIC EMISSIVITY CHARACTERISTICS OF RESISTANCE HEATING ALLOYS. BURAKCHSKI. T. HETALCZN. OBPOSKA CIEPLNA 35, 19-23, 1978. STUCY OF LON-TEMPERATURE MATERIALS. 1. THERMAL AND MECHANICAL PROFESTIES OF STRUCTURAL SUPPORT MATERIALS PRYOGENIC TEMPERATURES. HORIUCHI, T. KAHATE. Y. SONOI. H. 361. 1. TEION KOGAKU 14 ( 4 ), 164-77, 1979. EFFECT OF COLD DEFCRMATION AND AGEING ON THE THERMAL CUMBER OF CHREMIUM RICKEL AUSTENITY AND LEGENTZ NUMBER OF CHREMIUM RICKEL AUSTENITIC STEELS.

HEYMAPK. 9. YE. BYROVA. T. L.

PHYD. METALS METALLOGR. 15 ( 1 ). 140-2, 1963. LENGLISH TRANSLATION OF FIZ. MOT. METALLOVEC. 15 ( 1 ). 150-1, 1963; FOR CRICINAL SEE T27623 ) INVESTIGATION OF THE THERMAL-RACIATION PROPERTIES OF THUMISTICAL ROUGH METAL SURFACES.
HOEFNEM. B. NEUER. G.
HIGH TEMP. HIGH PRESSURES
11 (4 ). 383-91, 1979. THE DETERMINATION OF SPECIFIC HEAT ( OF STEELS ). GREBAY. T. LAMBERT. N. HETALL. REP. CKM 54, 23-33, 1979. EVALUATION OF THE THERNAL CONDUCTIVITY OF NICKEL ALLOY BOILER TUBING. PRICE E. G. ATOMIC EMERGY OF GANADA. LIMITED 1- FP., 1976. C TUVI-344 D

# BIBLIOGRAPHY ON ELECTRONIC PROPERTIES

(WITH E PREFIX)

```
£153108
RESTARCH IN THE TEMPERATURE CIFTNEENCE OF THE THE MALL AND ELECTRICAL CONDUCTIVITY OF STEELS AND INDISPERSED METALLOUGHAMIC ALLOYS.
 TIKIYUKOV. V. YE.
VELING MOSK. UNIV. . FIZIKA
( 6 ), 29-43, 1351.

1 FOR ENGLISH TRANSLATION SEE ES3109 )
RESEARCH IN THE TEMPERATURE DEPENDENCE OF THE THE-MAL AND ELECTRICAL CONDUCTIVITY OF STEELS AND INCH-BASED METALLOCE-MAPIC ALLOYS.
MIR YUKOV. V. YE.
FORLIGH TECHNOLOGY DIVISIGN. HRIGHT-PATTERSON
AIR FORCE BASE. OHIO
18Fr. . 1972.
I ENGLISH TRANSLATION OF VESTN. MCSK. UNIV. . FIZIKA
( AS-7-4 298.
                                                         AVAIL. COC 1
EBBLOOD

EFFECT OF ALLIYING AND PHASE COMPUSITION ON THE
PROPERTIES OF MARAGING STAINLESS STEELS.
KONDRATOV. V. M.
METALLOVED. TERM. CBRAB. MET. 1 USSR 1
15 ( 2 ) 43-7, 1973.
( FUR ENGLISH TRANSLATION SEE E51829 )
EFF.CT OF ALLOYING AND PHASE COMPOSITION ON THE
F-U'ERTIES OF MARAGING STAINLESS STEELS.
KCH.RATOV. V. M.
MET. SCI. HEAT TREAT.
15 ( 1-2 ). 135-8. 1973.
C ENGLISH TRANSCATION OF METALLOVED. TERM. OBRAB.
MET. . 15 ( 2 ). 43-7. 1973; FOR ORIGINAL SEE E61828 )
EXT-AFOLATION OF THE LANGMUIR S-CURVE TO CAESIUM
PRE-SEURES OF 10-130 TOPR-
JUBINSKII, V. E. LEBE
ZH. TEKH. FIZ.
+4 ( 1 ). 138-41. 1974.
                              LEBECEV, S. YA.
I FUR ENGLISH TRAISLATION SEE E66461 1
E053461
EXTRAPOLATION OF THE CANGMUIR S-CURVE TO CAESILM PRESSURES OF 10-101 TORR.
JUBINSKII. V. F. L
SOV. PHYS. TECH. PHYS.
                               LEBECEV. S. YA.
19 ( 1 ), 81-3, 1974.
( £ IGLISH THANGLATION OF ZH. TEKH. FIZ., 44 ( 1 ).
138-41. 1974; FOR CRIGINAL SEE E66460 )
P-DREATIES OF STAINLESS STEELS OF THE TRANSITION
CLASS JURING CLLO PLASTIC DEFERMATION.
MURKING VO SO SHEING AS SO
METALLECVED, TERMS OBRABO MET
                                                    DAYAKOJ. YU. I.
( 12 )+ 31-3. 1974.
( For English Translation SEE 693240 )
MELITING AND HOT-WORKING OF FULLY AUSTENITIC STEELS SCHIAINING HOLYBORNUM AND HITHOGEN HITH EMPHASIS ON MIERS OF LARGE UIMENSIONS AND THEIR PROPERTIES.
BITTER. H. G.
 JEN I GEUT. EGELSTAHLHERKE 1-TECH. BER.
13 ( 2 ), 108-13, 1973,
EFF CT OF THE COOLING RATE ON THE STRUCTURE AND PROMERTIES OF 13 PERCENT CHAOMIUM STEELS. VAS-CHILO. T. P. YARLEHEVSKAYA. V. N.
HET. KOKSOKHIM.
35. 59-65. 1973.
FLATION OF THE CLEATHICAL STRENGTH OF COMPRESSED DULFUR MEXAPLUCALDS WITH THE MATERIAL OF ELECTHODES
AND THEIR SURFACE STRUCTURE.
```

JORTUNUV. B. A. ZH. TEKH. FIZ.

1 ) . 111-1+, 1975.

E FOR ENGLISH TRANSLATION SEE CARTED 1

```
EJP3307
ESPASSI
STRUCTURAL STATE OF THE SURFACE LAYER OF
CHROPIUM - MCLYBUS NUM STEFL 11KH18M.
RARKUVA. A. G. KOFTCV. V. S. AHENAIA. M. L.
GAFRINASS V.LI. A. I. GUSEVA. G. M.
RATALLOVED. TERM. CERAP. MET.
 1 8 ) . 71-3 . 1974.
( FUR ENGLISH TRANSLATION SEE E93239 )
ED89720
DIFLECTRIC STRENGTH OF COMPRESSED SULFUR
ELXAFLUOTICE AND THE ELECTRODE MATERIAL AND SURFACE
STRUCTURE.
GDFYUMDV. B. A.
SDV. PHYS. TECH. PHYS.
2) (1). 66-7. 1975.
(ENGLISH TRANSLATION OF ZH. TERM. FIZ.. 45 (1).
111-14. 1979; FOR CRIGINAL SEE E88607)
CHARACTERICTIC FEATURES OF THE STRUCTURAL CONCITION OF THE SUNFACE LAYER OF STELL LIKHIOM.

AMMERUVA, A. G. KCRICV. V. S. KHENKIN. M. L
GAFPINJASHVILI. A. I. GUSEVA. G. M.

METAL SCI. HEAT TREAT. METALS. USSR
                                                                    KHÉNKIN, P. L.
( 8 ). 749-12. 1974.

( ENGLISH TRANSLATION OF METALLOVEC. TERM. DERAE.

MET.. ( 8 ). 71-3. 1974: FOR CHIGINAL SEE 689300 )
PHOPERTIES OF STAINLESS STEELS OF THE TRANSITION
CLASS AFTER COLD FLAUTIC DESCRIPTION.
BUFKIN. V. S. IMIEN. A. S. OF
                                                              DEYAKOV. YL. I.
CUPTING V. S. JELTON A. T. TATAROV, YE. METAL SCI. HEAT TREAT. HETALS, USSE ( 12 ), 1071-3, 1974. ( ENGLISH TRANSLATICH OF METALLOVED, TERM. DERAB.
 MET., ( 12 ), 31-3, 1974; FCP CRIGINAL SEE E70501 )
OPTICAL PROPERTIES OF IRON CHROMIUM ALLOYS IN THE
C.254-17 MICFOMÉTENS SPECTRAL REGION.
GORBAH. N. YA. STASHCHUK. V. S.
CHERNOHOFETS. M. F.
OPT. SPEKTPOSK.
38 ( 5 ), 988-93, 1975.
 I FOR ENGLISH TRANSLATION SEE E95437 1
CPTICAL PROPERTIES OF THOM CHEMPTHE ALLOYS IN THE
CHERROMORETS, M. F.
OPT. SPECTFOS. USSR
3 6 5 1, 568-70, 1975.
E ENGLISH TRANSLATION OF OFT. SPEKTROSK.. 38 ( 5 ).
 988-93. 19751 FOR CRIGINAL SEE E95436 F
ELLIPSOMETRIC PEASUREMENTS OF CETICAL CONSTANTS AND THICKNESS OF PASSIVE FILMS FORMED ON 16+8 STAINLESS
MATSUNA. S.
                             SUCIPOTO. K.
                                                            SAHADA. T.
NIFPUN KIN7OKU GAKKAISHI
33 ( 6 ) 6 648-56 1975
 I FOR ENGLISH TRANSLATION SEE E119617 )
 E1(8899
 MAGNETIC PROPERTIES OF STAINLESS STEEL KHIBNIDT.
GASANGV. M. A.
FAKIDOV. I. G.
                                   ACHASHEV. L. N.
FIZ. M:TAL. METALLEVED.
33 ( 2 ). 424-6. 1972.
( FOR ENGLISH TRANSLATION SEE E101954 )
 VISCOSITY AND ELECTRICAL CONDUCTIVITY OF
ALUMINUM - INON - CHACMIUM MELTS.
LEVIN. 1. S. AYUSHINA. G. O.
17V. ANAD. NAUN SSSR, METAL.
( 6 ) • 52-7 • 1973 • ( FOR ENGLISH TRANSLATION SEE E131935 )
 VISCOSIFY AND FLECTRICAL CONDUCTIVITY OF
ALUMINUM - ICCN - CHAOMIUM MELTS.
LEVIN. E. S. AYUSHINA, G. D.
RULD. MFT.. UDSR
 t 1 % 36-41. 1978.
E ENGLISH TRANSLATION OF 12V. AKAD. NAIK SSSR.
 MFTAL. . ( 6 ). 52-7. 1978: FOR DRIGINAL SEE E161934 )
```

E101937 THE THERMOPHYSICAL PROFERTIES OF SIGHRUNAL STEELS. NEIMARK. B. E. BELYAKOVA. P. E. KANTUZOVA. L. M. MERKULZEY. A. N. TEPL CENERGETIKA 19 ( 1 ), 46-9, 1972. ( FOR ENGLISH TRANSLATION SEE E101938 ) THE THERHOPHYSICAL PROPERTIES OF SICHROHAL STEELS. BELYAKOVA. P. E. NEIMARK. B. E. KARTUZOVA. L. M. MERKULFEY. A. N. Thirm. ENG., USSR 19 ( 1 ), 60-4, 1972. ( ENGLISH TRANSLATION OF TEFLCENERGETIKA, 19 ( 1 ), 46-9, 1972; FOR OKIGINAL SEE E101937 ) £101954 MAGRETIC PROPERTIES OF STAINLESS STEEL KHISNIOT. GASANCV. M. A. FAKLDCV. I. G. ROMASHEV, L. N. PHYS. METALS METALLOGR. 33 ( 2 ). 190-1. 1972. ( ENGLISH TRANSLATION OF FIZ. METAL. METALLOVEC.. 33 ( 2 ). 424-6. 1972; FOR CRIGINAL SEE E103899 ) THE LOW TEMPERATURE MAGNETIC PROPERTIES OF AUSTENITIO IRON - CHAOMIUM - NICKEL ALLOYS. 2. THE PREDICTION OF NEEL TEMPERATURES AND MAXIMUM SUSCEFTIBILITIES. WARRES. L. A. A. CRYOGENICS KING. H. W. 16 ( 11 ), 659-67, 1976. IMPROVEMENT OF THE MAGNETIC PROPERTIES OF THE IRON CHROPIUH ALLOY 16KH ( 16 PERCENT CHRONIUM ).
PUZEY, I. M. KLEVITSKAYA. G. Z. PUZEY. I. M. ZUYEVA. M. M. IZV. AKAD. HAUK SSSR. METAL. ( 4 ), 258- , 1971. ( FUR ENGLISH TRANSLATION SEE E134984 ) IMPROVEMENT OF THE MAGNETIC PROPERTIES OF THE IRON CHREMIUM ALLOY 16KH ( 16 PERCENT CHROMIUM ). PUZEY. I. M. KLEVITSKAYA, G. Z. ZUYEVA. M. M. RUSIL HET. METALLY, USSR ( 4 ) + 181-4 + 1971 -

( E.G.ISH TRANSLATION OF IZV. AKAC. NAUK SSSR. METAL. ( 4 ). 258- . 1971: FOR ORIGINAL SEE E104903 )

SOME PHYSICO-CHEMICAL PROPERTIES OF LIQUIC IRON CHROMIUM ALUMINUM ALLOYS. LEVIN, E. S. SYUSHINA. G. D. IZV. AKAD. NAUK SSSR. METAL. ( 2 ) . 96- . 1972. ( ENGLISH TKANSLATION SEE E104908 )

JOHE PHYSICO-CHEMICAL PROPERTIES OF LIQUIC IRON CHROMIUM ALUMINUM ALLOYS. LEVIN. E. S. SYUSHINA. G. D. LEVIN. E. S. SYUSHINA RUSS. MET., METALLY, USSR ( 2 ). 72-6. 1972. ( ENGLISH TRANSLATION OF IZV. AKAC. NAUK SSSR. METAL. ( 2 ). 96- . 1972; FOR UNIGINAL SEL E1049:7 )

E104911 THE NEW HEAT-RESISTANT SPRING ALLCY TO N AM P M YU. BELLV. D. G. PLATOVA. S. N.
HER: ECAYAN. L. V.
HETALLOVED. TEFM. CBPAB. METAL. 1 2 1. 25-6. 1970. I FOR ENGLISH TRANSLATION SEE E194912 )

THE NEW HEAT-RESISTANT SPRING ALLCY 70 N KM B M YU. BELUV. B. G. PLATOVA. S. A. SHITEL SCI. HEAT THEAT. METALS. USSR [ 2 ]. 122-5. 1370. E EIGLISH TRANSLATION OF METALLOVED. TEFM. OBKAR. METAL., ( 2 ). 25-8. 1970: FOR ORIGINAL SEE E104911 ) F1C4913 A NEW CHEOMIUM - MANGANESE - ATCKEL STEEL! C K H 1 8 G 8 N 2 T ( K 0-3 ). THADAN. T. A.
M: TALLOVIO. TERM. CBRAB. METAL.
(3), 39-41, 1970.
(FOR ENGLISH TRANSLATION SEE E104914) A NEW CHROMIUM - MANGANESE - NICKEL STEEL! G K H 1 8 G 8 N 2 T ( K U-3 ). ZHADAN, T. A. METAL SCI. HEAT TREAT. METALS. USSR ( 3 ). 221-3. 197... ( ENGLISH TRANSLATION OF METALLOVEC. TERM. OERAB. METAL.. ( 3 ). 39-41. 1970: FOR ORIGINAL SEE E104913 ) E104917 FREE CUTTING NORMACNETIC STAINLESS STEEL O K H 1 7 M 1 E ( E P 62E ). BABAKOV. A. A. PETROVA. M. P. CHOBANYAN. A. A. AVRUKH. E. L. METALLOVED. TERM. CBRAS. METAL. ( 9 ), 16-9, 1971. ( FOR ENGLISH TRANSLATION SEE E104918 ) E104918 FREE CUTTING NONMAGNETIC STAINLESS STEEL O K H 1 7 N 1 6 ( E P 626 ). BABAKUV. A. A. FETRCVA. M. P. CHOSANYAN. A. A. FETRCVA, M. P. AVRUKH, E. L. METAL SCI. HEAT TREAT. METALS. USSP ( 5 ), 726-8, 1971. ( ENGLISH TRANSLATION OF METALLOVEC. TERM. CBRAB. METAL.. ( 9 ). 16-9. 1971; FOR CRIGINAL SEE E104917 ) EFFECT OF COLD-FCRPING ON THE MECHANICAL AND MAGNETIC PROPERTIES OF STAINLESS STEELS. DIETRICH. H. HEIPANN, H. STROM. F. H. TEN TECH. BER. 2 ( 1 ) . 61-9. 197E. EXFERIMENTAL STUDIES OF THERMAL AND ELECTRIC EXFERIMENTAL STUDIES OF THERPAL AND ELECTRIC CONDUCTION OF MATERIALS MADE OF METAL FIBERS. KOSTOKHOV. A. G. SHEVCHUK. M. S. LEZHENIN. F. F. FEDDRCHENKO. I. M. FJROSHK. METALL. ( KIEV ) (3), 45-9, 1977. ( FOR ENGLISH TRANSLATION SEE E108531 ) E106904 THERMODYNAMIC CRITICAL AMPLITUDES IN THE DIPOLAR CRITICAL REGION OF A UNIAXIAL FERROMAGNET. J. EISELT. G. KOTZLER. J. PHYS. LETT. 58 A ( 1 ), 69-72, 1976. F107271 MAGNETIC SUSCEPTIBILITY AND MAGNETIC MCMENT OF TRON - CHROMIUM ALLOYS.
FOCE. V. E. FINKELBERG. S. A.
FANKOVA. C. A.
FIZ. MET. METALLOYED.
42 ( 4 ), 895-6. 1976.
( FOR ENGLISH TRANSLATION SEC E120411 ) ETHEOT OF REDISTRIBUTION OF ATOMS IN SUBMICACVOLUMES ON THE PEOPLETIES OF ALLCY 25KKH15.

GHUZIN- P. L. LI. YU. A. RAEVSKAYA. M. N. RUUIUNOV. YU. L. SARSENGIN. O. S. FIZ. MET. METALLOVED.

42 ( 3 1. 572-7. 1976.

FERROMAGNETIC RESCHANCE IN IRON - CHRONIUM SINGLE

I FOR ENGLISH TRANSLATION SEE E123638 1

PUZEI. I. M.

PAKAROV. V. P.

CKYSTALS. PCKATILOV. V. S.

KLIMOVITSKII. FIZ. MET. PETALLOVED. 43 ( 5 ) . 1115-16 . 1977.

IVANOV-SPOLENSKII. 6. A.

£101531 EIGNOSI
AN EXPERIMENTAL INVESTIGATION INTO THE THEAMAL AND
ELECTRICAL CONDUCTIVITIES OF HETAL FINER PATERIALS.
NOLFOUNCY. A. B. SHEVORICK, H. S.
LEZHENIN, F. F. FLODNCHENKO. I. M.
SOU. FONDER MEI. METAL CERAM. ( 3 ), 194-7, 1977. ( ENGLISH TRANSLATION OF POROSH, MET., ( 3 ), 45-9. 1977; FOR URIGINAL SEE E106222 ) PROPERTIES OF FERRITIC AND MARTENSITIC STAINLESS STOCKS HAVING HIGH MACHINABILITY. SER. PHIN. H. L. ACT AS SPEC. 37, 7-17, 1977. HAGNETIC SUSCEPTIBILITY AND MAGNETORESISTANCE OF AN THORITIE SUBJECTIVATE TO MAGNETORESISTANCE OF AN INCO. - NICKEL - DHROMIUM ALLOY.

PROCHERGO, L. N. TAKZEI, G. A.

PROCHERGO, V. G. POPOV, A. G.

DUPOV. AKAU. NAUK UKR. KSRT FIZ.-MAT. TEKH. NAUKI
( 6 ). 533-6. 1977. INFLUENCE OF THE REDISTRIBUTIONS OF ATOMS IN SUSHICKOVOLUMES ON THE PROFERTIES OF THE ALLOY 25KKH15. GRUZIN, P. L. LI, U. A. RAYEVSKAYA, M. N. ROGIGNOV, YU. L. SARSENEIN, O. S. PHYS. METALS METALLOGR., USSR 42 ( 3 ). 106-11. 1976. ( ENGLISH TRANSLATION OF FIZ. METAL. METALLOVEC.. 42 ( 3 ), 572-7, 1976; FCR ORIGINAL SEE E107557 ) MAGNETIC AFTER EFFECT ON SPINODAL TYPE OF PERMANENT MAGHET ALLOYS. MIY-MCTO. T. J. JAF. INST. MET. 45 ( 11 ), 1111-16, 1976. LCH-TEMPERATURE ELECTRICAL AND GALVANOMAGNETIC PROPERTIES OF THE IRON - NICKEL AND IRON ( NICKEL GHRIMES OF THE I GHRIMIUM ) SYSTEM. GERYADIN. A. V. FIZ. NIZK. TEMP. RODE. V. E. 2 ( 11 ), 1453-5, 1976. ( FOR ENGLISH TRANSLATION SEE E110985 ) LUH-TEMPERATURE ELECTRICAL AND GALVANOMAGNETIC PROPERTIES OF THE IRON - NICKEL AND IRON ( NICKEL PROPERTIES OF THE TOTAL OF THE PROPERTY AS V. RODE: V. E. DERMABIN. A. V. FOD SCV. J. LOH TEMP. FHYS. 2 ( 11 ) • 710-12 • 1976 • ( ENGLISH TRANSLATION OF FIZ. NIZK. TEMP. • 2 ( 11 ) • 1457-5, 1976; FUR GRIGINAL SEE E110984 ) E111622 E114022
FIND CRYSTAL STRUCTURE OF HARD-HAGNETIC
INDA - CHROMIUM - COBALT ALLOYS.
VINTAIKIN. E. Z. BARKALAYA. A. A.
BELYATSKAYA. I. S. SAKHNO. V. M.
FIZ. MET. HETALLOVED.
43 (4 ). 734-42, 1977.
( FJK ENGLISH TRANSLATION SEE £123625 ) MADIETIC PROPERTIES OF SINTERED IRON - CHROPIUP ALL IYS. KAT). T. JENKI SEIKO KUSAKA, K. KATO. T. 48 ( 2 ), 144-50, 1977.

MAY CYANNAMAS . ANTONIAGES . J.
NUCL. RES. CENT. DEMOCRITUS GREEGE
PPF. 1970.

1 DUMC-70/11 )

F112649 ECH-TEMPERATUME ANCHALIES OF THE FLECTFICAL RESISTANCE OF STAINLESS STEEL. LAFIKUV. L. N. TAKZEI, G. A. FLIS. V. S. SHMATKU. L. A. LUFOV. AKAG. NAUK UKR. RSK. SER. AT FIZ.-MAT. TECH. NAUKT ( 11 ). 1031-4. 1976. HAUNETIC PHASE DIAGRAM OF Camma-IRON - NICKEL - CHROPIUM ALLOYS.
MERSHIKOV. A. Z. TEPLYKH. A. E. FIZ. MET. METALLOVED. 44 ( 6 ), 1215-21. 1577. ( FOR ENGLISH TRANSLATION SEE E123904 ) F113652 IMPROVEMENTS OF HCT AND COLD CUCTILITIES AND THE MAGNETIC PROPERTIES ON OKS PERMANENT HAGNET ALLOYS.
KAMIYA. M. SUZUKI. K. KHMIYA. SUMITOMO TOKUSHU KINZOKU GIHO 2. 37-41. 1975. F115832 MAGNETIC STATE OF GAMMA-IRCN - NICKEL - CHACKIUM ALLOYS IN THE CRITICAL CONCENTRATION REGICE.
MENSHIKOV, A. Z. SIDCACV. S. K. MENSHIKOV, A. C. SIDURGIT S. K. TEPLYKH, A. E. FIZ. MET. METALLCVED. 45 ( 5 ), 949-57, 1978. ( FOR ENGLISH TRANSLATION SEE E124018 ) ELLIPSOMETFIC MEASUREMENT OF OPTICAL CONSTANTS AND THICKNESS OF PASSIVE FILMS FORMED ON 18-8 STAINLESS SUGIMOTO. K. SAWADA. Y. - ACHZTAM S. MATSUDA, S. SUGIMOTO, K. SAMADA, Y. TRANS. JAP. INST. METALS
18 (1 ), 66-74, 1977.
( ENGLISH IRANSLATION OF J. JAP. INST. MET., 39 ( A ), 848-56, 1975; FOF GRIGINAL SEE E95542 ) E119618 ELLIPSOMETRIC MEASUREMENTS OF PASSIVE FILMS ON MOLYBDENUM-BEARING AUSTENITIC STAINLESS STEELS. MATSUDA. S. HAMANO. Sahada. Y. Nippon Kinzoku Gakkaishi HAHANO. K. 42 ( 8 ), 868-14, 1978. MAGNETIC SUSCEPTIBILITY AND PAGNETIC HOMENT OF RACE: V. E. FINKELBERG. S. A. FANKOVA. G. A. FHYS. METALS METALLOGR., USSR 42 ( 4 ), 199-201. 1976. ( ENGLISH TRANSLATION OF FIZ. MET. METALLOWEG.. 42 ( 4 ), 895-6, 1976; FOR GRIGINAL SEE E167271 ) MEASUREMENT OF THE LCH TEMFERATURE MAGRETIC SUSCEPTIBILITY AND HEAT CUMBUCTIVITY OF STAINLESS STEELS. YAN. S. S. ZHANG. J. D. LU. G. ZHCU. Y. Q. HULI 7 ( 5 ). 288-91. 1578. ELIZIOZY

FINE CRYSTALLINE STRUCTURE OF HARD
IRCN - CHROMIUM - COBALT MAGNETIC ALLOYS.

VINTAYKIN. YE. 2. BARKALAYA, A. A.

BELYATSKAYA, I. S. SACHNO, V. M.
FHYS. METALS METALLOGR., USSR

A. 1. L. 68-56-15-77. 43 ( 4 ). 48-56. 1977. ( ENGLISH TRANSLATION OF FI7. MET. METALLOVED.. 43 ( 4 ). 734-42. 1977: FOR ORIGINAL SEE E111022 ) E123638
FERROMAGNETIC RESCRANCE IN IRCH - CHROPIUM SINGLE POKATILOV. V. S. PUZEV. I. M. IVANOV-SMULENSKIV. G. A. MAKAROV. V. P. RLIHOVITSKIY. I. K.
PHYS. METALS MITALLEGHA. USSR

43 1 % 1, 1:7-% 1977. 4 ENGLISH TAMUSENTION OF FITA META METALLOVED. 43 6 5 3, 111%-16, 13771 FOR CALGINAL SEE E107558 3

E123934

HAGNETIC CONSTITUTION DIAMPHAM OF GAMMA - IRON NICKEL GEROMIUM ALLOYS.

MENCHINGV. A. 7. TEPLYKH. A. YE.

PMYS. METALS METALLOGR., USSR

44 ( 6 ). 70-84. 1977.

( ENGLISM TRANSLATION OF FIZ. MET. METALLOVEC., 44

( 6 ). 1215-21. 1977; FOR CRIGINAL SEE E113569 )

E124018

MAGNETIC STATE OF GAMMA-IRCH NICKEL CHROMIUM ALLOYS
IN THE CRITICAL RANGE OF CONCENTRATION.

MENSHIKOV. A. Z. SIDCRGV. S. K.

TEPLYKH. A. YL.

PHYS. METALS METALLOGR.. USSR

45 ( 5 ). 42-9. 1978.

( ENGLISH TRANSLATION OF FIZ. MET. METALLOYED.. 45

( 5 ). 949-57. 1976; FOR ORIGINAL SEE E118632 )

E125932

EFFECT OF COLO DEFORMATION AND AGEING ON THE THERMAL CONDUCTIVITY. ELECTRICAL RESISTIVITY AND LORENTZ NUMBER OF CHROMIUM NICKEL AUSTENITIC STEELS. NEYMARK. B. YE. BYKGYA. T. L. FIZ. MET. METALLOVED.

15 ( 1 ). 15G-1. 1963. ( FJR ENGLISH TRANSLATION SEE E125933 )

E125933

EFFLOT OF COLD DEFORMATION AND AGEING ON THE THERMAL JONDUCTIVITY. ELECTRICAL RESISTIVITY AND LORENTZ ROMBER OF CHROMIUM NICKEL AUSTENITIC STEELS.

NEYMAFK. 8. YE. BYKOVA. T. L.

PHYS. METALS METALLOGR.

15 (1). 14C-2. 1963.

(ENGLISH TRANSLATION OF FIZ. MET. METALLOVED.. 15

(1). 15J-1. 1963; FOR ORIGINAL SEE E125932)

E126281

JETERHINATION OF THERMAL CONDUCTIVITY, ELECTRICAL CONDUCTIVITY, RADIATIVE CAPABILITY OF ELECTRICALLY LUNCUCTING CYLINDERS WITH INTERNAL HEAT SOURCES.

SMIRNCV, YE. V.

DEPOSITED DCCUMENTS, VINITI
14P?.. 1975.

( VINITI-662-76 )

#### PRODUCT EVALUATION QUESTIONNAIRE

Please assist us by evaluating this publication of Thermophysical and Electronic Properties Information Analysis Center (TEPIAC)

1.	itle of Publication Evaluated: "Thermophysical and Electronic Properties of Foreign tainless Steels: A Comprehensive Survey of the World Literature," CINDAS Rept. 61.	_
to Log Dep ive eva Cen	User: We would appreciate it if you would complete this questionnaire and return it e Thermophysical and Electronic Properties Information Analysis Center. The Defense tics Agency (DLA) administratively manages this information analysis center for the tment of Defense (DoD) and has the responsibility to insure that the Center is respons o scientific and technical information needs of the defense community. Your candid ation and any other information you provide will be used to more effectively guide thir in meeting your information needs, as well as assess the value of the Center to DoD. y of your evaluation will be forwarded to DLA.	s
2.	s the information (Check one or more as applicable):	
	RelevantTechnically satisfactoryOverall very useful to my jobTimelyEasy to useOtherTechnically excellentExpected to be used often	_
3.	enefits you gained by using this publication:	
	. How often would you estimate that you consulted or will consult this publication?	
	times perdayweekmonthyear (check one)	
	(1) What amount of time do you estimate that would take you to otherwise locate thi information yourself	.s
	(2) What do you estimate this amount of time would cost you?	
	. Can you think of instances in which the information contained in this publication helped or could help to save/avoid costs on a project/task? (e.g., eliminates or shortens a test, substitutes material or component) YesN	lo
	(1) In how many projects/tasks do you estimate you will use this information:	
	2 or less3 to 56 to 1011 or more	
	(2) Estimated costs saved or avoided:	
	Less than \$100	
	(3) If such savings relate to a system being developed or modified for the U.S. Government, please specify:	
	. Intangible benefits (please describe):	
4.	hat changes, if any, would you recommend in this publication?	
	Shorter More detail Organization Illustrations Printing Other (specify):	.ng
5.	ame of User (optional) ob Title	
	rganizationddress	

Please use this self mailer to return this evaluation questionnaire.

### PRODUCT EVALUATION QUESTIONNAIRE

Please assist us by evaluating this publication of Thermophysical and Electronic Properties Information Analysis Center (TEP!AC)

1.	Title of Publication Evaluated: "Thermophysical and Electronic Properties of Foreign Stainless Steels: A Comprehensive Survey of the World Literature," CINDAS Rept. 61.
Log Dep ive eva Cen	ar User: We would appreciate it if you would complete this questionnaire and return it the Thermophysical and Electronic Properties Information Analysis Center. The Defense distics Agency (DLA) administratively manages this information analysis center for the partment of Defense (DoD) and has the responsibility to insure that the Center is response to scientific and technical information needs of the defense community. Your candid aluation and any other information you provide will be used to more effectively guide this atter in meeting your information needs, as well as assess the value of the Center to DoD. copy of your evaluation will be forwarded to DLA.
2.	Is the information (Check one or more as applicable):
	Relevant Technically satisfactory Overall very useful to my job Timely Easy to use Other Technically excellent Expected to be used often
3.	Benefits you gained by using this publication:
	A. How often would you estimate that you consulted or will consult this publication?
	times perdayweekmonthyear (check one)
	(1) What amount of time do you estimate that would take you to otherwise locate this information yourself
	(2) What do you estimate this amount of time would cost you?
	B. Can you think of instances in which the information contained in this publication helped or could help to save/avoid costs on a project/task? (e.g., eliminates or shortens a test, substitutes material or component)  Yes  No
	(1) In how many projects/tasks do you estimate you will use this information:
	2 or less3 to 56 to 1011 or more
	(2) Estimated costs saved or avoided:
	Less than \$100
	(3) If such savings relate to a system being developed or modified for the U.S. Government, please specify:
	C. Intangible benefits (please describe):
4.	What changes, if any, would you recommend in this publication?
	ShorterMore detailOrganizationIllustrationsPrintingOther (specify):
5.	Name of User (optional)
	Organization

Please use this self mailer to return this evaluation questionnaire.

#### PRODUCT EVALUATION QUESTIONNAIRE

Please assist us by evaluating this publication of Thermophysical and Electronic Properties Information Analysis Center (TEPIAC)

1.	Title of Publication Evaluated: "Thermophysical and Electronic Properties of Foreign Stainless Steels: A Comprehensive Survey of the World Literature," CINDAS Rept. 61.
Log Dep ive eva Cen	The User: We would appreciate it if you would complete this questionnaire and return it the Thermophysical and Electronic Properties Information Analysis Center. The Defense sistics Agency (DLA) administratively manages this information analysis center for the eartment of Defense (DoD) and has the responsibility to insure that the Center is response to scientific and technical information needs of the defense community. Your candid cluation and any other information you provide will be used to more effectively guide this ster in meeting your information needs, as well as assess the value of the Center to DoD. Sopy of your evaluation will be forwarded to DLA.
2.	Is the information (Check one or more as applicable):
	RelevantTechnically satisfactoryOverall very useful to my jobTimelyEasy to useOtherTechnically excellentExpected to be used often
3.	Benefits you gained by using this publication:
	A. How often would you estimate that you consulted or will consult this publication?
	times perdayweekmonthyear (check one)
	(1) What amount of time do you estimate that would take you to otherwise locate this information yourself
	(2) What do you estimate this amount of time would cost you?
	B. Can you think of instances in which the information contained in this publication helped or could help to save/avoid costs on a project/task? (e.g., eliminates or shortens a test, substitutes material or component)  Yes  No
	(1) In how many projects/tasks do you estimate you will use this information:
	2 or less3 to 56 to 1011 or more
	(2) Estimated costs saved or avoided:
	Less than \$100
	(3) If such savings relate to a system being developed or modified for the U.S. Government, please specify:
	C. Intangible benefits (please describe):
4.	What changes, if any, would you recommend in this publication?
	Shorter More detail Organization Illustrations Printing Other (specify):
5.	Name of User (optional)
	Job Title Organization Address